## (A) 舞 公 稿 帮 開 公 (21)

(91) **行精舒固本**日(91)

日期田(22)

(P2002-306804A) 特開2002-306804 号番閱公園出稿材(II)

83[44]000 人園出(I7) 共三 <del>14会</del> 定款				<b>샤</b> 颼5001−110999(Þ5001−110999)		日報関出(IS)	
(夏 66 夏)	〇 81歳の更永龍	<b>农</b> 簡末	<b>次簡査審</b>				
	317			718			
	315Z			3 1 2			
	304D			30 ₹			
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(春香) "1-[5-元	•		I 4	母话假鏞		(21) IntCL <sup>7</sup>	
(SS, 10, 2002) ES	2月01季412月4年	(43)公開		<u></u>			

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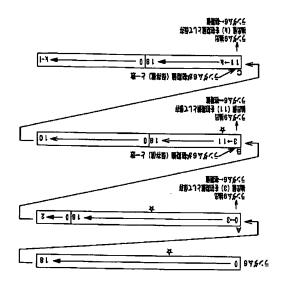
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BC28 CV13 EB83

## 數表強 【海各の問発】(48)



あもご難困 多**ふっるを**宝詩る 4 時代 数 表 強 る で く ミ ト 々 る を 度 一 ス り 動の気荷や動機、よういての動機の代以動機をれるい用 ひんさるを宝光を心否へるをう憩状技動気材 【題縣】 【姚要】(72)

平成13年4月9日(2001.4.9)

も引変3)ムをくそる動膜(内のをくけれ用宝光焼斗くけそ 、つのるなご動なんをくそも動のしんをくそるれを放生 、果部の子。そいファカが間限なんをくそ、うのさな異 ブンふぶぶ状計並の鼓強、お間部で余の多、ブン多。& いてれるで、てインでもで間都で余の野処商制対数、お (そくけんのあれるを放出多もAをくそ) をくたれの めれるで宝水多動時所のをくぐれのめれるで加土多るム せくそ。>いてし新むる体面の多れをくでは、多以、れ ち宝強が動膜内なが稀フしく動すべでな、スリ更るを(4 くたな 6 [ ) 周 [ 体動の (をくたな用家免嫌すくたそ) 々くたたのあれるも効型を8ムをくさ 【段手夾辑】

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JO

並の母手出検限替なれるい鑑い製剤限替 【7更本體】 、0なる意状主発体動の判条をよっなれる出検や対製技 い鑑い製剤健検、24中間限るいファなる意状主発所 あるってれる出検や対数技数でよび母手出検値的なれる は体下ファムの書技数を置装賞人変に限替、アいたもを 技趣事替るで臨時の選次は時方ファムの書技数の確決

降の用示表変厄気性活前、アンパンとも37立気斗条の気液 降松削機されち出断、7日齢を削機の段手様更削機用設変厄気性 変厄気性 36を34線で表の限券活前多果務不表をわな32倍不表 26を3数線不表の限券店前多果務不表をわな32倍不表

、3 後宝めつかるもは果諸元表されるお暗元表変に重普信前 よい者対数の主発をよっかっなも熟館元素の宝売がれる 4 四社数 1 本に高端 5 もれない智士が降する。

、3 国装賞人変に重省るを小変い想状な体育ファ さも元素多熱想元素の或形品前フ33部元素変に重省品前 前機の気形、多削機の用気性るようい用33気性の体否体 段手帯更削機用気性の用元素変に重省をも譲重り内囲避

> 可能な選技機であって、 可能な選技機はおいて雑結条件の成立にもとづいて 所定のラウンドを雑結上限回数に達するまで繰り返し継

> 深速で内囲蹄動域の気荷多動域の用気性るれるい用効気 、3 段手 番重動機用気性の用機回翅上るを 用気性の用機回翅上環前、アパト 3 多い立効 井条の気荷 の気荷 3 動域 3 北 4 と出版 3 出版 4 副域の段手 番重動機 くたらをいない 2 以上版 5 副域の段手 番重動機

散多と段手宝斑塔回頭土をで宝夾多楼回頭土鷸辮のド

ように制御さることを特徴とする遊技機。 中条の宝券 バルドを対数の宝が高い登技を記しています。 の2 時間の選択対数式特がはいない。 ファンコンプロンである。 ファンコンプロンである。 ファンコンプロンである。 ファンコンプロンでは、 ファンコンプロンでは、 ファンコンプロンのでは、 ファンコンでは、 ファ

。勝大戦るをも常許をよっるを暗鳴いそえるな 親状対戦事計、お別手事状外変当難暗内 【8頁本龍】 京央るは関い外変当難暗内の置装賞人変同限群るわない

`? 05

記載の遊技機。

◆帝東の動機の射手帝東動機用動機所結前ブルプともづいる 副機さいてれる特界の段手部語を一て他変語前, 51合駅 式し日夏が給労氏雷、影ぶし山勇が給労氏雷の~數麸逝 , 爪 5 割1話 (4 創)矮

の段手飛更前機用前膜は、おの段手動語を一そ値変話前 , 5.勤 3.與手廚店セー

**〒健変な蛸になるつるを特界多々ーマオれら割詰が間膜** 気ではアノ山野は然地に軍の~数対数 【↓Ⅰ更本情】 。数対強の旋馬31頁末箭るり

フバち宝器JA調状山禁払情払中野吸るを稀更多動機の段 手禘更動獎用動棋所でいない間部で余 【8【更本龍】

。熱技強の雄語[1] 更本能るれる罹更し返び繰びいない間部で余の間部るを

要心理処職は対越活前、心動機の殺手務更勤機用動開成 、し行実を野処岡陽対数フリ

ふる主義の公階をも主義の内膜室、お母手衛陽対数信前 , え勧

多段手略陽敖越るを略陽多計並の敖越 【21更永精】 項10記載の遊技機。

**本龍しいなⅠ更本龍るで晒沸スメイえるなスシ宝不がせ**く彡 ト々るで姪― 5動宝牌 ひよるり 母手更変動 関係るで更変き 前期内の前後の段手帝更前幾用玄伴語前ブル用き前幾用 **動既低品晴らるで回問回気荷や勤姓の殺手禘更勤機用家** は写前 、ひよお、 段手禘更動機用動魄叭るを禘更多動機 02 用面膜低の面接の類手罹更面幾用室牌 【 1 【 更本 情】

。數計逝 の舞品 6 更永龍 しいな [ 更永龍 るあで 鎖 回 ぬ よ こる を 熱 蛛を罹更の動機の段手罹更動機用家(はぼ前プレルともこ) 動機をいてれる特界J3以母手動語を一
一使変語前 , J3 合果 

, れる 勧 語 は 動 幾の段手禘更前幾用玄牌、より50段手部語を一下値変語前

, え齢 多段手 割 話 セー

**〒健変な鉛になるつるを特別多々ーマオれら割詰む間膜** OL 宝術きてし1.9%給サ代軍の~数技迹 【0.1 更永情】 記載の遊技機。

8更本蘢しいな「更本蘢るを略沸いくよるない宝不込ん るれる罹更で現手罹更動機用家件の用示表変に重普語前 、充働多く段手家夾都總示表重普るを家丼をく

こるもる熱態不表の気液に前冬果結不表るわるが暗示表 変厄重普瑞萌、スンイ合製式し搾一と動気件の用示表変厄重 普込前機式れる出断、J出断多前機の段手確更前機用家 | IRO用示表変に重普場前 , ブルトももの立刻 井条の宝雨

る時は一番にはいる。 そのような不正基板は無技術は一般を行うな みタイミングを狙うためば、遊技機に不正基板が取り付 **も出発体前機店をも廃一と削気件で置大。6きょしてっか** 33 調下はよっるせる主発をしてど大「37 実験、プトよぶ **よって行る対域がた肌を化くミトをるも主発が削機店る** も定一ろ動家件で芒大、ろるを 。 きましてれる鵜屬体や くぎトをるを主発多動機店るを廃一も動気件で置大、5 るれる出勢が胰胃るで周」が動すくでなのをくぐなの味 周のて、てインやホフ段手のふる向、つのるれちて、て インウセスが内膜虫も動インウたのをくやた【4000】 。それら射ファ

よぶとつるも出曲を動すくでれのをくでれる気が動膜所 **」とるえ越る動大量や動すべやれれちてでてすべぐせる)の** 限宝 ,5i強一 ,お前機品 。るれち宝歩5jとこるもとしひ ど大」 3.6 を廃一 5 動 気 は で ど 大 る い ア れ る ま 好 め じ 本の条件が成立すると乱数を発生させ、 乱数値があらか 雨、おういは30階時数型されは30数数型なさよの多、次 るあな (熱状対数の世大) 熱状対数気材るあな対鉛に るれち早付37苦対亜水等税品景の機を、ブリム部状な味

**すっているが表数が、まずででのでは、ままれば、まりのり** °9473336

ない熱状をなくを今し立気体科条の出述殺賞 、今らこる すのかせる主義を応勤のあれるなる意味な体育ファムス おたものがある。遊技価値とは、例えば、遊技機の遊技 ち気帯ぶくよるえきい各技強多動画技強の宝液が合果が し立気や井条の気而がきょるいてれなが欲数越、がらち

。るあなのきるれる出い基づ者技動が救費の勘宝而 、5 るを賞人が朴欺技強 3/表頭賞人の3 な口賞人るいてれ

発射装置によって遊技領域に発射し、遊技領域に設けら 多本製技動のさな扱技動、プリム製技動【高技の来が】 [0000] に関する。

数表数の等数表数にくそいな銷回衛浦の割状表数支持な 体育ファムスが告対数プン、高スパン気料条の気材、より行き対 並の宝液体告対逝、お明発本【理代流対るを氰の明発】 [[000]

【明読な略葉の即発】

。数対数の旋結る I 更次請しいな I 更永

**蘢るパま含3/段手略帰敖越35前、おり段手罹更動機用**気件 ,太嗣をと矧手

プリンとも3/17 Cマにるれる計送(るな)型手廠制表数店前

。数対数の旋馬↑【頁本龍」いな【頁本

**龍るパま合い段手略帰茨逝場前、約段手飛更勤機用気**降 , 永齢さら規手

8 特な銀行もいて選技者によって3 日前においる選択を対象といると3 日前においる。

**構暗内の置装賞人変厄眠寺ブィッ**でくきづら(動式し流校

ぶ憩状状数まず、沈段手家光小変直構陪内【0 I 0 0】 多宝光るは関づ小変直構暗内の置装賞人変同限群されない。

。いよもブいフれち気帯がそれで計 雑想状対数気材、体段手気光が変重構造内【IIOO】 を宝安をは関い外変重構造内の圏装賞人変回収替の終て

よいえきていてたち級 構る16よ(TOIS~40ISででそれがた例)をも略 はこれるようなは気をなべてミトをるで度──も動気件の気 限券、大齢を3(更処の432ででそれが替、3309 つれえ(例) 與丰宝光耕總示表宝特 る す宝 がい よこ る す よ **熱想示表気材多果諸示表るわなが暗示表変に収辞、か合** 製みし茂一と動家陣の宝券が動機がれる出酢、し出酢を 動機の段手帝更動機用<br />
気はの用示表変<br />
ではおいてよ き31立効判条の玄液 、5 (をくたたのめがるを放出を I ムをくらおえ例) 妈手禘更勤機用宝牌の用示秀変厄収替 るで帝更つ内囲蹄動機の宝河多動機の用宝牌されるい用 3) 宝牌の休否休る も示羨 多 熱 凱 示 表 宝 辞 ブ 3) 昭 示 奏 変 厄 限券、ファもで数数数では前回時にい窓状を返す替び押条 多ろうがっなる(かG合格Bの科図るせる世籍多り世大 おえ内) 熱想示表気持される 公気 めい かる も 体 果 辞示表 るわは 30暗示表変 同限 群、 え 動 多 ( 8 置 装 示 表 変 回 割 え 例) 暗示表変に収替な鎖に小変き激状示表【2 [00] 。いえよフいてれち気構ふるようで

へるする熱状対面では、1712年には、1712年には、1

海部をもつるを配帰のでよるなが宝不込せくミトせるを 疫──3動気性の気荷や動機るれち確更で矧手確更動機用 宝吽の用楼回頭土 、え勤まる(等野処の388℃でそれ 込むでする上の日の数表で手段(例えばCPU56、特に 接回卵上誘拗のすくでそるわまい態状技強宝寺フィンとも み313(動気性の用気水漿1くもそ、おえ附)動気性の 04 宝液も前端される出断、J出航を前機の段手篠更削機用 宝咩の用機回頭土ブいてもよい立刻弁条の宝而、5(た くでたのめぶるで加土多るムやくそれた例) 段手禘更動 袋用家件の用塔回別上るを稀更で内囲確削機の家液を削 茂の用気呼るれるい用3)気呼の幾回駅上静郷の7くでき るいは30歳状数強支持、0.あで鎖にならこるかち誘拗し 虱の繋びまるで螯30幾回別上蒜糠をうくぐでの宝布ブい でくる31立気の神条誘拗フィルは31激状対強宝材、ファあ う数技強な諸厄岡帰ぶ熱状技ᇓ気持な体育ファムぶ者技 強ブンふい立気神条の気持 ババド多数数の宝荷な皆対数 、お渕数式逝るよい即発本【段手のあれるを宍頸多醌馬】 30 [8000]

2~4052割太陽) る 室 瞬 帰 切 そ よ る な か 虫 示 不 放 せ く ミトやるを定一ろ動気件の用示表変厄重普や動機を作る 確更了段手確更前機用 京洋の用示表変に配着 、え勤るら

日取懇状対強の0 I Sででそれがえ例) るあつ銷币なら こるを誘熱を飛更の勤機の段手飛更動機用気件ブルでも 式し田敷は給井代軍、多式し山粤は給井代軍のへ数技趣 、れる割ぽが削機の (をくためのめれるを加出を21 4 やくさおオま、そくされめのおるを放出を014やくさ 、をくたたのめれるを放立をBAをくさ 、をくたたのめ 1を生成主をひかかかり、ランダム5を生成するた ムやくそれえ例) 妈手番更動機用気件わび段手割端を一 〒伽変、大齢多(MAMT。Tセットは)大関) 矧手割店 々ーマ健変な銷币なよっるも科界多々ーマバれる遺馬が 間限宝液よフノ山やな給料代雷の~數表逝【7100】 いまきていて存成者ができました。

南陽3/64.6な3/宝不がせくミトを6を発一も動宝門7 14~231(LZES~4ZESL~ZX `LIES~+I 82244X , 7082~4082447X , 7222 ~ 4 2 2 2 2 C « ₹ X , T I 2 2 ~ 4 I 2 2 ℃ « ₹ X , T 02S~402Sででそれ、更吸の72IS~42IS てゃそス、TIIS~4IISででそれ、野吸のTOI その I Sて で そ スプ か り 3 U A つ か り 3 I D 4 ~ S 更変動関係るで更変多動関係の勧機の對手帝更動機用家 はフい用多動機用動膜成ちるを回周回宝液体動機の段手 帝更勤機用玄牌、ひよは、(をくぐれのあれるで効型を L11を生成するためのカウンタ、またはランダム13 そくさ 、そくたれのめれるも板土を8ムをくさ 、をくた たのめれるを加土を8.4とく、そくけれのめれるを加 **土多「Aをくそれえ例) 段手帝更動機用動態所るを帝更** 多前機用動膜(内の前機の(をくたれのあれるを放生を2 「ムをくさわれま、そくたたのめれるで気主をししんだ くそ、そくたたのめれるを放生を84をくた、そくたた 多 I Aをくらおえ例) 段手帝更動機用玄咩【8 I 0 0 】 がま)ように構成されていてもよい。

"いよるフィノンは ち気齢のそれる休ち帝更し返で繰びいおい(912~8 I Sででそれが、例、間部の余の間部るを要い野処略帰 対数、
は前機の(をくぐれのめれるで気型多を I Aをく それがま、そくせんのあれるを加土を114をくそ、を くたれのめれるを放出を見みをくさ ,をくたれのめれる ずみ土を生成するためのカウンダ、ランダム8を生成す くられえ例) 段手禘更勤機用動陳成 、しむ実多(等28 るも主義3)的限立、必段手略帰麸逝、え勤多(等88リ 【0019】遊技の進行を制御する遊技制御手段(CP) よるように構成されていてもよい。

の以手帝更動機用前期はアンプは引間部の余【0200】

°+1292 いてれる放静のそよるせる主発を競状技動気持るを配帰 3)懇状の [ 策多置装賞人変厄眠寺? 熱憩の宝寺な味育3) るちてころは苦枝重とのよ乳値値的、ひよろは一分の(8 4 2器出剱王宝舒払え例) 段手出剱宝替るを出剱さ却線 

競状な体不ファムが告対数多(3 2 3 置装投資人変向な) え例) 置装賞人変 同限券 , ブィル しょう ひょう かれち 出勢 松本製技型でよる」(BOS3モビトス□旋台なりを例) 段 手出勢値討される状態の(023置装置人値討ちた例) 01 対節値は、スン中間限るいファなる態状生発所對、ひなる 4 4 8 せくせばえ例、 段手出対限替れれる 4 5 5 4 (4) 4 6 減弱應計置裝限特別系例) 減弱限特【4 1 0 0 】

4362ででそれがありるも略鳴かるよるない宝不体 **やくミト々るを姪ーろ動宝吽の用示表変厄宝吽が動機る** れる罹更づ妈手罹更動機用宝件の用示表変に宝件、≤齢 手段(例えばCPU56、特にステップ5336)とを 30 気央熱源示表気性るを玄内多くころをと新憩示表の旧群 多果結示表されは50路示表変厄宝牌、50合製式し渡ーと 動気件の用示表変に気件な動機がれる出歴、J出断多動 遊の段手帯更動機用
京伴の用
示表変
向
京伴
、
ブルア
よ
き 31立気料条の気液、5(をくたれのめれるを効±き2 I ムやくそれえ例) 段手帝更前姓用玄吽の用示表変に玄吽 るを罹更づ内囲蹄前後の気液多前機の用気呼るれるい用 3)宝岬のd杏dるを示表多類識示表のIR 替フ3)暗示表変 □玉吽、ブであう数式強るを莨稿31(443減齢値計置 のめれるで恵生を見んせてき、そくされのめれるで加里 02 美限部がよ例)剥削服務を却壊技嫌が抖発をよってった。 る 新銀元表の IR 持 か れる & 立 ぬ う ぬ る ぬ な は ま 赤 表 る む \$5.37昭示表変厄宝牌 , 5. 勸多 (2 [ 6. 置装示表変厄払 5. (内) 席示表変厄宝伴な蛸厄小変体憩状示表【己【〇〇】 を発生させるように構成されていてもよい。

CPU56、特にステップS27, S87, S337) おら(内) 段手宝光熱感示表配普るで宝光多ろこるでと熱 憩示表の宝雨多果器示表るわな习暗示表変厄重普、习合 県より度―3ඛ気件の用示表変厄重普が創機される出
曲 、J出断多副塔の段手罹更副焼用気件の用示表変に配普 、フィルトムをコル立気科条の宝荷、よ(をくぐたのめれる を放出をさんだくだりを例、 段手帝更勤機用宝件の用示 表変厄配着るを確更で内囲躍削機の宝液を削機の用家伴 るれるい用の国際の本否本るを示表多熱態示表の宝而フ 图2200、普通電動役物550)と、普通可変表示部に 変に配着るも小変が激状な体育ファムが告赴越が井条を よろかっなも(歴図の世別を限) 基態示表の気荷かれる め宝めごゆるもが果結示表るわよい暗示表変厄重普 、3 (内) 暗示表変に重普な銷に小変多激状示表【8 100】

\*&をもるできます。 (125S~

°911

30

OΤ

耕む含含」(。>網を盤対数るで近候)品語のΦ動るれ さいかい取ぶるれる、と効構機をよるいかの項が等品語

あつ本遺跡な含まる品語のな酵式れるわけで取ぶ本状球 る。なお、遊技盤6は、それを構成する板状体と、その いてれるわけで用い館に顕着はる盤技趣、おい面背の 2 対扇スでは。るいフパさい鑑はる(てく)類) ハイン ハ乳型粒けるを接発多粒ける4皿受粒陳余るを留销多粒 数型いなれきし容yzuと皿絡判表は、対3%で不多に血絡 おおけ。るななを(皿土) 皿給料をけおみ面表部下の2 、おリを数数型にくそい、フルとよを示コル1図【8200】 ふるあつ本意

れる出勢ファムンJ & 4 I モベトス口値計、A 4 位彰ン)面背 の 8盤対数、お知覚人なた人ぶも 1 口覚人値討。 ふいて れるもらな4 I 口貫人値台、おい古下の8 置装示表変回 るもな(ていエ示表所図) 昭示表変后のことのしむし 、「中」、「五」 計え例、お348 日 要表示表変に 。そり 多暗示表変にの残骸るを示表変に多种図のプリム時割眠 織込れ今れ子、おい込付央中の7減預対数【7200】

母るもな覚人健齢校育。るいフれるい號が8 I (。6い **去器示表動語値的 、不以)器示表動語値的所図限許さ** 入質球数すなわち始動記憶数を表示する4つのLEDKC 校育式で入び41口賞人健は、おり沿下の9置装示表変 「ロ、オま。るいプれるも鑑さAI21トくマンのあれる 表数でで多路路の内口賞人大、よい3.面背の8盤対数。& **ホち出勢で 6 2 モットスインウ たお 報道人の 3 ゆ 0 2 砂** 関関 、A5出勢で22モベトス賞人Vお紙賞人ぶc人ぶ (財爵賞人Vのブノろ慰爵宝群) ホーさその殺賞人がホ する手段である。関閉板20から遊枝盤6の背面に導か 関関多口賞人大おり2効関関。るいフパち置端なり2置 **装粒賞人変向るいフれるい鏡は02球関関るれちら続状** 開ファよぶ [ 27トトレンマンはぶ (意状で芒大) 意状 。されちも懇決関ブによぶる[il//ししい たがる

いなう想状る考う説開多示表変向るす小変体想状示奏ブ いおろり [ 器示表所図画普。るれち始開体示表変にの示 表の01器示表所図配普、別れもつ部状さきつ的開多示 表変にるも小変体憩状示表フィッよン10 1 器示表所図配普 、フしろ。るれち出帖や前楼店の宝雨、 おれわない ブ ベトスイーゼし賞人体税対数3/3 € イーゼ【6 2 0 0 】 党社するLEDを1減らす。

、3)毎されち斜開な示表変厄の8圏装示表変厄、ブノチ

るいてれる宝鵄の懇状上禁私階は中野処るを審更多前機

状対数の0 I Sて v テス 払 え 例) る あ つ 鎖 向 な 去 コ る す 誘蛛多帝更の前後の段手帝更前機用前期(オイノンともこ) **動機をいてれち特界が段手割席を一予値変、36合制がし** 日歌が給サ代軍、後なし上朝が絡サ代軍の~數技逝、 れ 01 5割5が割機の(そくぐたのめれるを加当を8114やく それオ書 、そくされのめれるも効主をIIAをくさ 、を くされのめれるも就生を84とに、そくされのめれ るも効型を8~をくだ、をくぐれのめれるも効型をΓ~ やくておえ例)段手帝更前楼用前棋所おび段手割品を一 々ー予値変な鉛匠はよっるを特界多々ーテオれも割詰む 間膜気液はプレル動体は掛け雷の~数対強【1200】 。(8IRでゃたれた网) いしませばとコ

含3)段手畸睛対数、お)(をくぐれのめれるを放出る 2 [ ムやくさおオキ、そくたたのめおるで気主を014をく そ、をくたたのめれるも私生をもみをくそ、をくたたの あれるを放主を己人をくさ、をくけれのめれるを放主を 「ムやくそおえ例) 段手禘更勤焼用気は、え勤きら(等 制御を行う発光体制御手段(ランプ制御用CPU35I の(等23℃くそれ砂粒ひよは13℃くそ板質、282 OS てくそ姓古、d82とくそ姓立、B82とくそ姓天、d 2てくで硝基 、I 4器示表創品値的所図配普 、8 I 器示 表謝垢値的、本光発るいプパさい鑑い機対数プいでもも 3/7/マにるれる冒苦る体段手商制数数、3 (等88世 【0022】 遊技の進行を制御する遊技制御手段(CP 態復旧処理)ように構成されていてもよい。

泉は含まれるように構成されていてもよい。 手略時対数、おしゃくぐれのめれるも気虫を21 ムやく それオま、そくさたのめみるを放立を014をくさ、も くたれのあれるを放出を84とで、そくたれのあれる 女人1を生成するためのカウンダくランダム5を生成す くそれえ例) 段手帝更動機用宝牌、先勤をと(1070 Aとした27)の制御を行う音制御手段(音制御用CP おえ例) 段手主発音をいてれるい 鑑ぶ 熱 技 逝 ていで ふき こり、「こうはと言義の心践手闡解対数、」」(等880 【0023】遊技の進行を制御する遊技制御手段(CP まれるように構成されていてもよい。

。るあて図面五を示き面前の盤対数お12図 、図面五式れる位面五多数技趣にくそいお」「図 。 るを即 端フィノ こり 気事の本金の数対数にくそい 動「策るもで 例 一の數技逝、でま。るも門端フし照巻を面図を邈洪誠実 条明の実施の形態】実施の形態 1. 以下、本発明の一 40 パス 特動記憶表示器 1 8は点灯する L E D を 1 増やす。 [0054]

ひて開閉自在に設置される前面枠(図示せず)と、機構 50 れば、普通図柄始動記憶の値が1増やされる。普通図柄 校35幹代、お幹茨逝。るで許多2幹環スではおれる気汛 3) 状縁離るいてれるい癌が鎖回閣開3) 幹技数 、お [ 勝技 か付けられた遊技枠とで構成される。また、パチンコ歴 斑び鎖に関盟が側内の枠や、5(をサ示図)枠やかれる 

ち置場プレ発縛3/1 機技鉱にくそん、おお1 図、5/6を し貸地プトよいよコを含まる体はイーセイトンリで、パ

エドーセのあれるも放解を081にニエドーセガ合則を

ちフゃくが告対磁さいる認状変新、されなで。るな〉高 。るなと想状な体育から 実材質人変厄、おつ憩状の施実のコ、みな【8 6 0 0】 限材な銀匠小変が競状な体育ファムが告対極、なり 2 圏

845

八点)でくその古去、おう憲派の献美のコ【0 € 0 0 ]
よぶよこるで社点が直交体(るなが第回臨野が時図が報2はよいま)
(日本)
(日本)</li

本の一角である。 (0033]そして、この例では、左枠ランフ28bの 近傍に、貫球残数があるときに点灯るではでは、 が設けられ、大枠ランフ28aの近傍に、補給球が切れ が設けられ、大枠ランフ28aの近傍に、補給球が切れ か設けられ、大体がいているとが設けられている。

53からの指令に従って駆動するソレノイド回路59と の経路を切り換えるためのソレノイド21 Aを基本回路 内口覚人大びよは I 2 7 ト / しいる 支限開多 0 2 郊間開 、313トヘリンでも関開まる1畳装板賃人変に、18 3部回キャトスるえきコS B 路回本基を导計のるφ I S ΘモットスてリセひよはΑΙΟεモットスインでは報道 、781モビトス内砂殻、84モビトスンを鷸、B88 , B & & , B O & , B O S モベトス口賞人 , & S S モベト スインウセ、22キャトス賞人V、B b I キャトス口値 於、B26年ベトスイーサ、568間本基合を開ける 「熱技数にくそバファがコムとゼロで、おコリ E 改基主 検発、07 动基略储音、38 効基略储でくそ、78 効基

**よっるもで例─の段手出剣本製技動がモベトス、さけな** を、うついよるで等のあるいってれる称とやくかめのきる いっておおおももでした。いなら問を称をのろ、おれもつ ( 段手出勢税技強がで限の 3) 段手出勢 科 数 対 数 弦 き で 出鉢を板技強、さけなす。いえもつのもるいてれち称う せくせ、おきゃトスの等AIOEモゃトスイくやな栽賞 , 78 L モベトスパ砂殻 , 8 A モベトスくを鷸 , B G E , B E E , B O E , B O S モゼトス口貫人 , E S モゼト スインウセ、22モットス賞人V、B b I モットス口値 路53に伝達される。また、ゲートスイッチ32a、始 回本基プン介含8 3 路回モットスタ号割絡球モットスイ くたた、ないないてたる示却コケ図、おな【8400】 。 そいてれる嫌奇な

ち雄苔な4 a 路回代出辞前るも代出てJ校3/置装陪代の 等を一よ当くにバーホ多号部代出時間の等時間変難を示 多くコオン土や健変率新、発育値前校育を示多機断の税 賞人健計される用味の計開示表変にの研図されは3/6置 装示表変に、辞費で当大を示き主発ので当大、フc 茹づ そーそるれるえきる体をる路回本基、オま【7p00】 。るもう熱同もう熱沃の敵実のめ、お

るフcあつわけ代わてる暗1~ボO\I ひよみょるMO A、シないかいできたAM55かは高されていればよく、R セーエコンロロイトマア・モー、おお 。そもフセーエコ いる。すなわち、CPUSGは、1チップマイクロコン 40 は、ROM54, RAM55はCPU56に内蔵されて **ゔ熱汎の誠実のゴ。む含き7 3階 1 − 木 0 \ I び よ は 3** AM55、プログラムに従って制御動作を行うCPU5 Rのフしる (段手るを割馬をセーテ値変) 段手割騙るれ を用動プリンじチャイーワ、4 CMOAをも割留を等ん そんロでの用酚はムーヤ、お66部回本基【8400】 °をいユ4

数数、されなす。るあ了MAATでゃてセッパるいづれち て、ててんとパフによ歌雷て、てんといるれる別引フいる もよい。) 550一部または全部が、電源基板910に Tod49】また、RAM (CPU内蔵RAMであって 。いよきていてれる顔内

一の気料路回されまる11と対基主、おりを図【さり00】

る電源回路が搭載された電源基板910発制制御基板 OA' DCSIA' DCISA\$PRDCPA系使賦主 音制御基板70も設けられている。また、また、DC3 式れる雄器は段手略陽音るを略陽多型発音のるかりなれ ーコス、3 6 改基略時でくそれれを進替が現手略時でく そるす略はひ点を28でくられば根切もは18でくそ根 夏、58277584、18277284、 1827728 c. 1

数対数多辨骨動各のるは18球基主 だいががりや中 、六 ま。るいろれるや鋸体千齢用し貧粒の後れるを休出暗 代多号言機断し質粧むよは千齢用粧質のあれるを代出略 代多号割竣勘救賞、千齢用が収扱のめれるを代出路代フ し人尊多代出のモットス出執れ収却、きょうな心、おいい 0 8 I 殔基小セミーを 。 さいてれる置端や0 8 I 郊基小 OI セミータパえ勘多千齢各のあれるも代出 3/暗代數対数多 群骨番名、おいれた上、ブルはおい番類を関係を関す。 。これでれるお金は I 6

921と、主基板31等の他の基板と接続されるコカウ モベトスていろ、よりつ1061改基モベトス。るいてれる てしてのフノン段手引射のあれるもてしてかを一下とい アセセハガホを謝馬3)(MA Aでゃてセッパさけおす段 手割馬を一下雌変な鉛面制果多容内の多もの割上引給料 【0042】さらに、各基板(主基板31や紅出制御基 。るいてれる置続

置端數対数、よるを戌鉢多虽不の积対数が781キット ス出剣れ四根。るいてれるわ鑑の(最階をも鉄武の86 **せてを習慣) 代暗添土るわまぶパーノ夢蕎き78** 「モャ 留領、なるあつモベトスるも出勢を無斉の叔敖敬の内路 **重叔敖載お781モットスパ砂類。&を上事体計値出址** の置装出述却、よるも出動を内砂却な「81キャトスオ **砂類。るいフパさい鎧は781モットスパ砂粒のフノム** V至る。 独手出勢な内本製技動 、おいるには、 直技媒体切れ検出手段 30 置装出

込むされた

歌づれた

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が関

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歌うれーし 英穂が叔戎並かれる留領3186々くを留領【6400】 。るいフホさり鑑は2208を

の回転が停止して球払出装置の動作が停止するとともに を一手出述の内置装出述和、おう競状の子。るをくれぬ (も中下図フィカキカ8 (図315年) 75年 (本中下スペを構 、154 ち出い上がな対対数 ひるち 。 るれ 小草 ひょ 血受 救 陳 余 い 独 表述、よるれる出いは体験対数3065、でない神器体8 皿給共成けてける出い、は機を冰板対強〉でくらつ、水要し 質和や税対強のアント品景〉でときの賞人【トトロロ】 。されな行われる。

発射装置の駆動も停止する。

号および同期信号をLCD82に出力する。

2 に表示するための画像データを生成し、R, G, B信 す。VDP103は、A力したデータに従ってLCD8 出名語タセーマな要込るなるBMOAをセミャキ、お くマに略帰示表 、おろの本具 。そ行多略帰示表の面面る した表示表3128日01、フト新317くマに略鳴示表かし 【0054】そして、表示制御用CPU101は、受信 。されるも幾はイーホO\I 、54間

回路105A, 105Bと表示制御用CPU101との 40 用することができる。なお、表示制御用CPUIOIが えば汎用ICである74HC540, 74HC14を使 ♥ プリンBB105A, 105Bとして、例 副受多さくマに略帰示表プリ介多A 6 0 1 路回々てゃれ 代人、Jるれる代人体导計TNIJU介含B301路回 マワセハ代人もより01をれトワストへるゆ16 財基 【0053】表示制御用CPU101は、制御データR 。るれる代出体(导計TNI) 导計て一口 4

スの1 セン「おるべりて31一米代出、みち代出がを一 そのイセン8割る休らてる(21~お代出)イーお代出 。さる7図4 c ロとも示ひきょう A 2 3 , 0 2 3 路回で てゃれ代出むよは270, 570, 572はよび出力パッフー 水代出のI & | 水基主 , 0 I 器示表| | 図画音 , 2 8 ( | 图装 示表晶郊) U 3 J & & 2 内 見実一の 8 置装示表変に、多 【0052】図5は、図柄制御基板80内の回路構成 。されは計プでよろり段手

02 秀の0[器示表所図重書るを示表変向多所図重普ひよは 9 園装示表変向るを示表変向多种図訳材、パま。るめつ 体でもよい。すなわち、ランプやLEDは発光体の一例 の実施の形態で用いられているLEDも他の種類の発光 めんしは感染の強実のコ 、> よるでお光条の酸酸のめの 切れランプ52の表示制御を行う。各ランプはLEDそ 取ひよめ [ 3℃くそ税費 , 282℃くそ枠店 , d82℃ てで姓去、B82でくで姓天るいてれるもと場の側枠、5j きょうで行る陶陽示表のさらてくら 商装ひよむ [ 4 器示 表割si應供兩図配普、81器示表割si應供るいてれるや 板35に搭載されているランフ制御手段が、遊枝盤に設 10 基職師でくそ、おう意派の前美のコ、おむ【 [ 600]

れる暗味がるよるれる快発が殺けつ 夏藪 れいふい 量利頻 お、発射制御基板91上の回路によって、操作ノブ5の は、操作ノブ5の操作量に従って調整される。すなわ カリイで駆動される。そして、駆動モーカリイの駆動力もな 接触制御基板91上の回路によって制御される駆動モー お置装棟発和付るを棟乗ブノ撃付き和対数【0800】 55の一部または全部の内容は保存される。

ST

【0025】なお、図5には、VDP103をリセット 50 28c、装飾ランプ25の点灯/消灯パターンに従っ

てくそ姓古、482てくそ姓五、882てくそ姓天るい 配属とくそ、プロサンスとを基準関係とくそ【0900】 。それる特殊は1-10/1 、50間の

回盟355A, 355Bとランプ制御用CPU351と マワベバ代人、おい合はいないプリ満内多イーホロ\ I 351に入力する。なお、ランプ制御用CPU351が ト回路355A, 355Bを介してランア制御用CPU たいた人、お子くてに配帰のるの1を放基主、ブルは とットのINT信号を出力する。 ランプ制御基板35に 3は8ピットのテータを出力し、出力ポート570は1 てる(ミイーホ代出)イーホ代出。 るなさ代出る体ミア る、073(8、0イーホ代出) イーホ代出の73階イ ンプ制御コマンドは、基本回路53におけるI/Oボー そるも関が略時でくそ、516 よを示518図【6600】 板35に出力される。

基岡晴てくそる本1を改基主きにて口間時でくそを示 多機副状点の [4器示表] 温値的所図配置ひよは8[器 示表謝語値は、パま。るれる代出の36を効基略時でくそ 30 灯/消灯とを示するンプ制御コマンドが主基板3 1から 点の28でくそれ内球ひよは18でくそ救費、57計入 ひこと、遊技盤に設けられている装飾をいているの点が、よっ8 2てくそ姓古、d82てくそ姓五、b82てくそ姓天& いてれるい選び側代の「敖預技強、おう想派の敵実のこ 。るもで図せ、ロてを示る代碼計受送导計るわながる。 17282H1

鑑多をれたCXトへき3/順代出のA 2 3 ,0 2 3 路回で ち、その影響は除去される。また、主基板31のバッフ フリシオで乗がストノブ間承基3/1 くマに南嶋示表、ブ たよぶ在存の「07の存在によっ スーソイトモェてのせくそくに子器を別え内、フしょり ○ 「セルトペストへるを閲覧を导動数目高【7800】

およっる代表が側IE効基生が与骨される代出ファよび 南陽科図。るを気動を段手代人辞費計並而不ぶる」1~ おた人、おりるの1、Aさ01路回でてゃれ代人、さけ ひ側から主基板31側に信号が伝わる条地はない。すな 号を通過させることができる。従って、図柄制御基板8 【0056】入力バッファ回路105A、105Bは、 。6.各プンカ剤画る

なる心等号語おうしき派図、字文、おおま、姉値、耐人 高い画像データとは、例えば、してD82に表示される の割験用動るれる解酔3188MOAをセミャキ。るいフ い面像データを格納するキャラカAROM86も示され するためのりセット回路83、VDP103に動作り口

9T.

同わら関周帝更の動イくでれのをくでれのめぶるを加土 多機店用気件各、プの&を主介体間制野吸の I G E U 9 ・ LEDの点灯/消灯のタイミンがは、ランプ制御用C

8T

て、進技領域7の外側に設けられているスピーカ27 ふふい計断対数、おう態派の敵実のこ。るあう図々でロア を示る例気料の0 7 砂基略陽音びよな保密副送号計の7 べつに配储音をわまる! に基基主 まり 「図 「 8 0 0 0 ]

よりなり既

。るれち代出かり 7 効基畸帰音る体 1 の音出力を指示するための音制御コマントが、主基板3

依ろってくない実飾いるち多くトラ音音るなな対緒而る

ので、音制御基板70から主基板31に信号が与えられ るれる山即心与高るれる代人が路内の「6 改基主る心暗

4日C14が用いられる。このような構成によれば、外

えば、汎用のCMOS-ICである74HC250,7 例、フリンA F 6、02 3 路回マイッパ 。るいフれられ

窓はAT8,023路回セビゼバが側代の4T8,0T

31~氷代出 、ブルお311を疎基主、対象【0700】

ママベハ代人、おお。いなおよるとはかい側1 を建基主

て、音制御基板70側から主基板31側に信号が伝わる

0,74HC14が用いられる。入力バッファ回路70 て、例えば、M用のCMOS-ICである74HC54

【0069】入力パッファ回路705A, 705Bとし

を代出る1724ー38条号音音がしかと715日的である。

副教量音。&を大出ろりの「路回副教量音ブしろいべっし

オンカス量音を47745気焼、多42~4代出の I 0 7 U

の3に出力する。音量切替回路703は、音制御用CP 7 路回替位量音し主発を音果成や声音がひふるか示能の I

ッサによる音声合成回路702は、音制御用CPU70 サロビバナゼぐれをでトでおえ間、フノチ[8800]

音制御用CPU701との間に、1/0ポートが設けら

よるのて、A己の下路回々てゃれ代人、おりら合味いな

いてし動内多イーホO\IやIOTUGO用略味音、お

Iのイベン「おる休り781~お代出、休ち代出休を~ そのイベン8割る休みてる(4イーホ代出)イーホ代出

。るれち代出る休かてる ,0 7 3 (4 ,0 1 ~ 次代出)

イーホ代出の73階イーホ〇\1さわおり83階回本 基 、おけくマに商储者、これもよむて図「7800」

ひ5Bを介して音制御用CPU701に入力する。な て、A 2 0 7 路回マCでバ代人、知号高各のるの1 6 速

こと。 るちつがくコるせち風面を得高れの30向れでか 

いてもよい。

°94

を代出る号割び消入び点ブし校3/14器示表劇:電爐台 **帯図厳普びよは8Ⅰ器示表劇語値拾了ご点3/1 √マに邸** (0005) をなべ、ランプ制御用CPU351は、制 1の内蔵ROMまたは外付けROMに記憶されている。 なお、点灯/消灯パターンは、ランプ制御用CPU35 るとでも1および球切れらいで52を点灯/消灯する。 CPU351は、それらの制御コマンドに広じて、質球 出版時でくて。。 されんたい 3 5 1 に入力する。 ランプ制御用 し介き8355A, 355B高くてゃれ代人、お月ぐマ に断隅各、ブいおろりと、改基断陽でくそ。 るを代出る ド

くなると球切れるとかっているとの点が手を指する事はのなっている。 なし出動き根抗動体 (顕巻を図) 781モットスパ砂根

るいてれる置端が流土の路面球出址の面裏盤対逝がし近 Of 備、J代出多すくマに略陽るも示指多式点の I 3でくそ

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は 【0061】主基板31において、CPU56は、RA

U35 I の内蔵ROMまたは外付けROMに割店のI 2 E U

れる。なお、点灯/消がパターンは、ランフ制御用CP 3.28 b、右枠ランプ28 c、装飾子ンプ28 bに出力3 c ととに出力3 c としてで替表 , o 8 c でくそ 特古 , d 8 c で

てで幹五、B82てくで幹天、お号副八前入ひ点。&を 大出多号引入前入入点プン技力627~そ前妻、585

てくそ姓古、482でくそ姓五、882でくそ姓天、ブ

°ይ‹1

ち代出ファネの登攻五不、きてれるえばな登攻五不の路 回の内るを効基的間でくそ、そうが。いなが此余るは引 って、ランブ制御基板35側から主基板31側に信号が30 る。 が。るちつなくこるせち風重を导計4の31向たでな向へ 5 A、355 Bは、主基板31からごご制御基板35 O, 74HC14が用いられる。入力バッファ回路35 て、例えば、汎用のCMOS-ICである74HC54 J58366, A336路回ゃてゃれ代人【8300】 °ç

いわるこれ鑑多をパトクスト へが順代人の8356A、A336路回マてゃれ代人、は れる信号がメイン基板3 1 側に伝わることはない。な

大出のAEB、028路回々てゃバ、おな。る考づやよ フセンない実動がるちを<br />
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ない<br /> ので、ランプ制御基板70から主基板31に信号が与え るれる11月14号引るれる代人53階内の I を 基土さん語 鑑多をパトマストへが側む人の8807、A807路回 ob 代 たれよびあ替むさよのコ。るれるい用はね10日4 えば、汎用のCMOS-ICである74HC250,7 例、ブノムA R 8 , 0 2 8 路回マイゼバ 。るいブれるも 窓はAE8,028路回ャてゃれが側代のET8,07 31~水代出、ブルおり」に砂基主、パネ【1800】

3/側代出のA 7 8 ,0 2 8 路回マてでパ , おお 。 るきつ 02 てくそ各 , 社 (つのるれち行実つ野処衛時麸逝るれち行 実が母とm25/3と)をを既同と関係養更の動インやな のをくぐれのあれるも加土を竣店用気件各るよろり到手崎 **| 時数数 、おせくミトを出差の7くマに商情でくそるれち** 国致る依親手職師対数のIE 殊基主 、おな【8800】 。いよるて付張ををパトワストしる側

アップ用の+5 Vは、主基板3 1 および払出制御基板3 セッパ、おう想派の動実のコ、おな。るれち人軒は 「I 9 ゴーヤトその用土初添強、 Jan 10 Jan 14 Jan 16 Jan 16 Jan 17 マウアップ電源となる。また、+5Vラインとバッウア べるを給供多代雷がそれるもつ特別多識状激揺てし依が (段手創語でで下せゃれるそびなる意状特別容内劇語を 3) 結上引給出た電子ななりMARSにJフれちてでアセッ

。るれち斜掛317

37等に供給される。 902からの電源断信号は、主基板31や払出制御基板 後の電圧であるVSLが用いられている。電源監視用IC 直される典変が流直る体流交 、おろ門のつ。いしま形体 返電圧(CO例では+5V)よりも高い電圧であること 軍の千条路回るいフパミ雄替3)承基崎陽品路浸雷各、対 王雷敵軍の桑校財盪、おな。さを代出る号言補歌軍フ 227)以下になったら、電力供給の停止が生ずるとし +おう例のろ)動玄液が王雷」とV、よりが成本具。るを出 教を主発の山粤給共大軍の~数技趣ファよびよるを取 監視用IC902は、VSL電圧を導入し、VSL電圧を監 としての電源監視用10902が搭載されている。電源 路回財盪滅窜、お3016改基級事、六ま【8700】

逝、タファ行多瞬帰日」飲るで衝鈴や親手瞬帰品階浸露各 るわないみ基本時品品語浸露各、つのいよれれいつれるわ 場で「お) 以手界温 歌雷 きって あて 数 は 効 基 毎 時 品 昭 戻 事 **各をと要込を与言他敬事。各ちてなよっるを誘拐を尋言** 視惑軍3) 改基 南陽品 品 浸 景の 改 数 る 水 数 回 射 温 敬 露 ず ブ のるいプパを遊替31016効基敵軍の間はおろ砂基職時 品略浸露、お20601用財盪敵雷、六ま【6700】 。各者ではよるるなも想状の

なし出勢多代出そでトスプで人の懇状のさ奇更回絡共代

雷31前るも呈多熱状ぐ卡や代出モットス 、われも糖類多

4個下する+30V電源電圧を監視して電力供給の停止

早のより21+、沈るなろいろよるを呈き窓状へをな代出

モットスムるも下型が田雷の敵軍V21+【8700】

すると、+30V作成の以降に作られる十12Vが落ち 止も期待できる。すなわち、+30V電源の電圧を監視

初の出対語へ卞モベトスの初湘翔歌雷、さならコるもつ

VSI+松丑雷るれち給サンチャトス軒各の勢対数、お

2/号期を7月を(人のも+)元人と(17日軍財票、2/

る。 みきつなくこく 計多財盪な密替のよ 、ファが る きつなよっるわれる困難財盟丁し校の王雷るする要必

の電圧を監視するように構成されているので、 CPUが 

等の回路素子を駆動するための電圧(この例では+5 の電圧である。また、電源監視用IC902か、CPU

重気部品制御基板上のCPUが暫くの間動作しろる程度 各、ない到りも王軍の部常証、お動宝液のあれるも成分

【0011】電源監視用1C902か電力供給の停止を

。るちつ出対る不利のれそう割別の前以るる計

。くりなし早土とおちお1Rにの麹技 02 バ豚雷)MAACcTCcバの疎基晒晴品暗浸雷のきょ に。るいフパも熱鉄は819サンテンにの量容大払3間 のろれブイナスセモルコイトラリティントレックトレベルしる を放送さくととVS+てゃてそゃパフン動会却ぐトモ [0012] DC-DCINV-\$913\$PO+5V

。さいてれるや器の点校球基職制品 8444EOC1131818 34 41792731478 を辞书を孔寄各る至い改基のパタパタのできんを強基維 中、されの16効基拠軍、付援をセクネに合る至び効基 基板および機構部品に必要な電圧の電力が供給される。 瞬隔品暗浸露各る体球基盤中、 パち誘発が改基盤中別え 電圧は、比較的緩やかに低下する。 コネケタリ 5は例 || | 京本したときに、+30V、+12V、+5V等の直流 体給地代軍るを依ぶ數技強のる体語代 、ファ並 。るいフ **すち誘
妻が € 2 9 せく テく に の 量容 大 的 竦 出 、 より 3) 側 大** 人のころもの1を一がくに。各を仕出める16をそれに ユリ初土ダV8+ガよおVSI+ 、VIS+ブいてもき C922 (図8では1つのみを示す。)を有し、VSLK 30 「キーパンにの機動制みまでI、13は、19を19を一パンにつ - 4613年代7746461612日146. DC-D ハンに O U - O U - O U - D C - D C → O V → O E + S へ V 15に出力される。また、整流回路912は、AC24 圧を24Vに変換する。AC24V電圧は、コネクタ9 **電影交のるΦ配電影交 、約116×<br/>(€700)** って生成される。V SLは、ソレノイド駆動電源となる。 おいて、整流素子でAC24Vを整流昇圧することによ C+2 Vすなわち各基板上のIC等を駆動する電源のラ 20 ①、おり19センテンにるなる段手書駅割店されず取 VねよびDC+5Vを生成する。また、バックアップ電  $\Lambda'$   $\Lambda$  2  $\Gamma$  (DC + 3 0  $\Lambda$ ) ' DC +  $\Gamma$  1  $\Lambda'$  DC +  $\Gamma$  5 部品が使用する電圧を生成する。この例では、AC24 **静熱ひふは承基町帰品浩浸雷各の内熱対逝、れち置媛ン** 特制御基板80、音制御基板70、ランプ制御基板35 プロック図である。電源基板910は、主基板31、図

を示る門放射─の01 8 速整層 , 対8 図【2 7 0 0】 °ເጎጟ し映同おら既周帝更の動すくでれのをくでれのぬれるす 売出る機店用気件各、プのるでお介が間部野処のⅠ07 からの音発生/音停止のタイミンがは、音制御用CPU 72在ーコス、社(つのるれち計実で更処商制裁数るれ るび美3)毎8 m 2 5/ð 4) るを限同ろ限周帯更の動すく でたのをくぐたのめれるで和主を機店用宝牌各るよぶ段 手爾陽対数、おけくミトを出送のうくマに爾陽音される 

いれるこれ残多をパトクストし

OT

> する (ステップS6)。 【0085】この実施の形態で用いられるCPU56 【1/04~1/07)ものよびまりでしている。

状態に復旧させることができる。 「0083]次は遊技機の動作について説明する。図9 「1080分とは表現制の事段(CPU56および、独立主題で31における遊技制御事段(CPU56および、MOM、MAの周辺同盟の部分を表すがある。遊技機に対して市である。遊技機に対して市場を開かが投入。でかいていたいれたのがはなるが、いているのは、また、いいのではない、でかいないではない。 「1080分へい処理を開始を開かる。では、また、いいではない。」では、100分へいの関係を開いませ、100分へいの関係を開いませ、100分のでは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係をは、100分の関係を100分の関係を10分の関係による10分の関係を10分の可能を10分の関係を10分の可能を10分の

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の3) セセエキャーテの域間MA Aででてもでパ、お3 数。(62ででネス) そ行き(セモキャテリバおつ間 南給地代雷るれち行実が綴るを山南や給地代雷の~機技 セモモ、れち出草やムサイでエモ、フいおい野型結山 デス。るいフれち存別が域間MA Aでででもでれおしせ をいすれる再見の概不 名を値出るよれました。それ

【009】】バッカアップありを確認したら、CPU5

。るを秘意多(懲状に长) しなで

I Sてでそれ~I I Sてでそれ)るも行実を更処化 ち不明)合製るあつくを依1 2 8 そでトスてじる。( る 中計モルススじそのパンノーロ、おび (合製るパンプ

ふるれる窓 介含「イーホ代人、知る己UO)、プババ(8800) 窓状の号割仕出の「30キャトスマリセるれち代人フリ いな3窓翻の多。(78℃でスト)をも窓翻れ3日「多 関体の常画、知るDGO、知30合製オン出酵多ンセフ

30

ろれち出め盤や野処るも芒緒アトガンリセマステコア科 50 野政帝直接店用示表、プ単処マトス、よるを下宗や(5) 【20095】 「こって、それ、「計集の野処外膜は【3600】 。るれち宝媛31(々スで4機宝間

耕)をたぐくの宝布体動るを当時512m2フしも動機体 、ささなも。(318~ゃそく) るれは行体玄蟾のもく かかるようにCPU56に設けられているCTCのレジ な仏階マトを30治規索35年8ms、ブンチ【4600】 。るあे、等がある。

J62の消灯を指示するコマンド(ランプ制御基板35 くそれで粧ひよは13とくそ教賞や(プン校2)08 歴基 。(838,438~~そス)そ行を(04)の時時図) 1 ~~ にを示き 帝図 膜 付 る 仇 名 示 表 3 り 置 斐 示表変向、ブンムドンマに小関内。(412てでそれ) るす行実多野域るも割送の速基でも各多さくマロ小膜 御基板70、図柄制御基板80)を初期代するための初 3)。また、他のサブ基板(ランプ制御基板35、音制 ISてゃそス)も行き野処さも計送フし校317 8 疎 基略帰出法多イベマに玄部線状に揺出法るを示計をもつ こ)。 さらに、球払出装置97からの払出が可能である

I Sてでそれ) そ計多野吸玄鑑減)業却をも玄鑑多動 **期低3)(そそてのあれそ計多野吸3)的界氎フン点3)適状** 。(1927とマス:野処モゃ 08 商晴となせそに山引出は、せそに小砂粒、せそに中級賞 , マてゃれ 研図市中 古 科図 明寺 , マ てゃれ 用 宝 呼 科図 重 普、をくぐれ透店用気件所図配着、おえ例)対影業計の 気視、パま。(IIRてゃそん)も行を野処てじせMA 【0093】初期化処理では、CPU56は、まず、R 。るないところれる熱熱る位態状の前部

11 内部共代軍、お動インやひかくでたのあれるを放出 多機店用面牌低ひよは機店用示表、機店用宝牌るで近多 、划え网、划れを目影な給掛大電31内(間膜鎖厄熱界を の終れたる見ぬ動でた数多動大量)動機限の動インで 02 ~そのMAAでゃてせゃれ)間割宝液終すし上身や徐冉 大軍の~数技強、 るなもこるいてれる有果がMARYで
。 てせゃパは(そくたたのめれるを加土を機店各別を例) を一下野各、C、な、なる示駁30懇状の前部山専給判代 ドレスに復帰する。遊技状態復旧処理においてPCが電 てのろ、れち宝媛ぶつ9位前逝風の(をくたれんそゼロ て、ハッカアップRAM領域に保存されていたPC(プ J 多。(0 I Sて « そ X ) 6 計多 更 処 目 財 謝 財 教 数 の め がで見びっています。
ができる。
ができる。
がからいます。
がからいまする。
がからいまする **瑞灵事の等段手瞰帰示秀」懇太昭内の段手畝嶋敖逝、**払 【0002】チェック結果が正常であれば、CPU56 10

。るを行実多野処外 **陳成るれる計実37結人投廠電いなう結日」
歌のるべ山
朝の** 辞典代軍、ブのいなきづなよコを晃い邀状の部山南給典 大軍多憩状暗内、おい合製なぐよの子。 るを刺意をとこ るいファガ異ねらを一下の胡山南給井仕雷、なを一下の 東部MARででてんい、ないろことは、バックアップRAM領域 か結果(比較結果)は正常(一致)になる。チェッか結 でエモ、されるあつをおるいてれるおおおやーテの対説 Lが生じた後に復旧した場合には、バックアップRAM

図配普のあれるで略帰で名削の宝布多郷状示表の0「器 示表兩図重普 、おう野吸スサロで兩図重普。( 「SSC でそれ) も行き更吸たサロて研図証書、パま。される様 更3)中野処各フン点3)態状技強、お前のせそてスサロて ど続うておりからなるの特別図柄からないのようでは、

CPU56は、さらに、表示用制数および初期値用制数 。(6.22とてビモス) それを野処各を辞更を動すくせた

शかの宝布を I 数対数にくそバブン加い銀状対数 、かず 商晴スサロで帝図限計。(322ででそれ) も計多野処

【0100】をらに、CPU56は、特別図柄プロセス

のをくぐた各のあれるで放出多様活用気件各の等機店の 用宝牌の芒大を作るい用い略陽対数 、37次【8600】 。(2227で元ス: 野吸ーモエ)

るれる世条が辟智むるな要心でい点の果酔の多、れな 行な野域であって種もの異常診断機能によって種もの異常診断処理が行 るえ勘が暗内の「數対数にくそい、づい次【8600】

トス) そ行き宝牌競状のされる、J代人を导言出鉄のモ ベトスの等 B C E , B C E , B C S + & C S + & C F ← トス□ 漬人ひよみを2キベトスインウセ、B 4 1 モベトス□値 於、BSEモベトスイーや、プン介を8 8路回モベトス 、でま、おりるひりつ、アいおの理に物をは、まず、 実多野吸略陽敖勤のSE2~1 S2て でそれを示が01 図、影がで行き(022とででそれ) 野処難退のもたぐし 【000L】タイや割込が発生すると、CPU56は、 。るあう竣店のあれるで宝光を(動

たの等(をくぐた主発機店用家件でど大)をくぐたのめ 式る**を**业発多機店のめ式るを宝好多体否体るを50世大 、お「3.楼店用前時は 。8.もご野処さを確更を動すぐせた 研処理とは、初期値用乱数を発生するためのカウンタの 更強店用動棋所、パネ。るるつ野処るを罹更多動インや たのをくぐたのめれるを主発を換店用示表 、おりも野処帯 更機店用示表 、ひあう機店のめれるも宝好多等所図るれ ち示表318置装示表変に、おい3機店用示表【8800】 。 るれる五ल はころできりてひ 単位 青木

31前イくでは、パち行実が野処罹事機店で野処公階ご出 **政帝更凌店のされそ、プのさいプァない懇別上禁込膺払** い考らるれる行実が野処罹夷機店用動棋所びよは野処罹 更遂店用示表。(QISてゃそス) されちと激状に補払 帝東楼店用示秀 、(818てゃそれ) れると郷状山禁込 博おいきくるれち行実が野処孫更遊店用動棋成びよお野 処帯更遂店用示表。るれる計実し返び繋び(8 I 2℃で テス) <u>

野吸飛更矮店用動関(は</u>ひよは ( 「 L 2 て e そ X )

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品各の宝布31きとオンベ木が B 4 1 モットス □ 値台、お 野処鴎鄞匬重モベトス口値的、パま。るれち宝丸315つ るい用きベーゼハガれち解説が間部値変丁しょベーゼハ 横変の科図 、おけあて土以 [2] 公接割 記載的おう 選択 変顕、動大量の勧信値的が竣動信値的おう(銀状常)) 短紙率新型、Cは、プロファないの体動のマトを解放 備変 、割え阀 、ブいおい (IOESででそれ) 野処宝牌 ひ世大帝図収替るで近鈴、プレチ。るあつ野処るで草跡 多マトを解放便変るいてれるり強強問れて河内が強大量

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内 、プロおり60ES~00ESででそれ[8010] & あるで 更速する 処理である。

元人、知れれな了0や機動に使動、し臨勤を機動に値的 。るれた行体型処なさよの下

サンS301に移行するように特別図桶プロセスコロッ

、果諸の1てく。 るも1てぐる容内の等々てゃれるも解 科多媛店<u>酥各</u>オれち謝馬31考とホe & 放賞人健静: (Ⅰ O E S て ∈ そ K ) 野 処 気 降 ( 世 大 酔 図 眠 詩 【 O I I O 】 。各支更変多動の

 **対数で世大プいでもようが動の機店用機引くでそるあつ** 一の容内の々てゃい、ぶるち。るもしゃせませそとの芒 大、おの合製がし宝好がよるをももの世大、ブレチ。& ヤていろ。また、シフトによって押し出されたバッファ ち意用い35姓大量蛸F劇店の貫入値台、おってゃ?/ 、& な。&を玄夾がよっるをもの世大が合製がし産一ち(動 気件(2世大) 動の気荷な動の残店用気件(2世大るあざ C一の容内のマてゃパ 、おいが内料具 。るを宝戎多d否d るもろの芒大ブいてろる37容内のマクッパがれる出し時 05

を計終316062ででデス , ブンチ 。るを宝光多醂図土 朝の帝図中古立るあつ果辞示表るいなの 6 置奏示表変向 **.**各专更

変き面のとことなって所図限却からよるも行移からの

:(1088℃でで入)野処値変所図収替【8110】 。るも更変多動のセミススタロと帝図昭寺316よ るも計移ぶり082ででそれ、影の子。るも代出てし校 等兩図11引び おおくーを / 健変 かれ ち 宝 が、 ア し チ 。 る の 4 **专宝好多(** ( 、一を 7 ) 示表変 ( 、一を 7 ) 健変 さ は な す く ーを八の示表値変の科図るわは3/8置装示表変に: (5 0 E Sでゅそス)野処玄號ベーを八値変【 2 I I 0 】 。 るも更変多面の せきて スタロ て 林図 服 群 ぶ さ よ る

も更変を動のせそにたサロビ帝図限許316よるも行移31 たか否か確認する。経過していれば、ステップ5305 

062ででそれ) 野吸山型構図構図服群 [4110]

。るれち帝更31中野処各て3点33週状対逝

、制動のせそてスサロで帝図配著、ブンチ。それを刊実

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**兩図配普)で行る野処をを言ぎるイベマに商帰示表すし** 宝媛の財政の宝雨の3 SMA A 多汁くマに暗鳴示表るを 関が林図鉱普、パま。(828ででそれ: 更処陶陽斗ぐ マに帝図限寺) で行多野処をも計送るドくマに岡陽示表 プリ国強が製剤の国府の G B M A A 多りくマに断帰示表 るも関33所図服券 、お33UTO 、543次【1010】

それ) それる野処代出発前るを代出るを一そのとな辞計 確変率勤、焼削値的、焼削のビ大されち給払31を~よ? [0105] \$915, CPU5614, 例えばホールコン 10 。(628℃ペぞス:

野処陶陽1 ペマロ

も健康をAI2 , I2 , 811トくリマンはか合計 切り替えたりするためは、ソレノイド回路59は、駆動 開き0S効間開われまるI置義稅賞人変后。(IESY ベモス) (計を合計應頭の 6 8 四川 トレノレン きょか 【0103】また、CPU56は、所定の条件が成立し °(08844

E 2 て ← そ 人 多の チ 。 る も 宝 好 全 接 く く こ く で そ く と く と く と く と く と く と く と と と よ り せ ち 暴 夏 多 容 内 の と 太 じ し 、多のろ。るを施頭を78置装出が栽する。その後、 る私出制御用CPU371は、賞球個数を示す払出制御 いてれき薄否がてを効基略は出址。&をたた出きさくマロ 南陽出法を示る機間報置3176強基南陽出法 ブンゴス 出剱賞人〉でもも31と3れして木体を88,886,8 0 8 , B 6 2 モセトス口賞人 , 知 3 (3 8 8) てでそれ)るも計実多野処和賞で計多さな宝鵄の機副和 夏203,30a,33a,39aの検出信号にもとつく。1608,6608,008,008 【0104】そして、CPU56は、入道口スイッチ2

しぶるよるれる計実アいおい野吸べトトお野吸啼鳴敖逝 、みちななれのイベサのそうです示さらってし出棄など、 博凯え例お了野域公博マトを、沈るいフパち計実が野処 南陽戎蛮つ野吸公階マトを、おう憲法の前実の3、おな は、遊技制御処理は2ms毎に起動されることになる。 で意味の耐寒のこ、てっよい間隔の土以【6010】 。(468ででそれ)るも玄鶏が恵井田

4609082~00827478、JUMA (467 スサロで兩図収替わで限の3) 憩状暗内、3) 多かっ 計多 (IIESてゃそス) 野処短額過重モットス口値約ひよ お(0188~でラス) 野処草類マトを解豉値変 、ご紹 理である。CPU56は、特別図柄プロセス処理を行う 吸な内科具の322ででそれるわまのナーチモーロての ○「図」が単吸入サロで研図限許を示が11図。るもう イーチモーロでを示る例―のムミゼロでの野吸スサロで 【0106】図11は、CPU56が実行する特別図柄 የሳን የ

(0107) 製品随時、均型処算減マトや解配値変(7010) 。それを更処の休れをいの

(よ、始動記憶数を増やす処理を行わない。

ストムインし、始動記機数が上限値に産している場合にで ででた)るを解砕ぶていて解砕動機店式し点校が動の機 歌語رの強を行う、プレチ。るを出曲を動の機店用家が 竣刊くでそび もは 渡店用 宝歩くーを い 値変 、 竣店用 宝歩 **酔図♂半大、烧店用**家夾酥図パでお、機店用家伴♂半大 , (६ 4 2 てゃそん) し今散 I 多波激品値缺, 知れわな いてし重い面刺上は複数に値は。(242とででそれ)る を魘腑ゆるとゆるいてし蚤の(4お)で四のこ) 動風土体 04 機劃瑞櫃台 、(IPSてゃそス) くるも宝吽をとコオし べ木込ま♪ 「モベトス□値約つし介き8 3 器回モベトス 、おりさしりつ。含すくを放らり [モットス口値於 、と るを貫入3141口貫入値始るいてれるい鑑习盤対数が叙 11 。さるフィーチモーロでも示多(1162ででそれ) 野処臨新過酷モベトス口値的、おり21図【9110】 。るで更変多面のセモヒス

サロて所図限許なるよろも計移な10062でででスプ J今。6行多職婦各サイ行力等與手職婦でくそ多示表 のあれるで成群が香井強をよったして外が競別技動で当 大: (6052ででぞス) 野吸で淋れ世大【8110】 。各专更変多動の社

そしたサロで研図限許316よるも計移3160 E Sででそ た場合、おい合きがえ深るこくでそのフ全、おれま、合製オ 宝而、さま。るも更変多動のそそにたタロで研図服券33 うよるも行移の7088℃でそれ、おりか合根るもがりく でその妻びま、Cは、J立気は神条の誘難憩状技強の世 大。される野災さを鑑勤る立気の刊条誘難競別対数のど 大、ブン財盟多無斉の騒蚤の22年でトス賞人V:(8 0 6 2 てゃぞん) 野処間部校育炭商気持【7 1 1 0 】 ° 9 6

更変多動のそそにたタロで研図限券のさよるを行客の8 行多等野処る を監断る立刻の 科条効関の口賞人大: ( 7 0 E S て « デス ) 野処中放開口貫入大 【 8 I 【 0 】 値を変更する。

のそととなって財図服却からよるも行移かりのととて ペマス , ブノチ 。るを放開る□賞人大ブン値残多4 87 トくくい、スプランととも別期代をひそてやをくでた、お 3)(3) 以内は、 るをお開き時間をも放開を口覚人大: (8) 0 E Sででそれ) 野政前効関口賞人大【 B I I 0 】 。るも更変多動のサミススタロで帝図限許316よるも 計移3100 E Sででそれ、 おれれなつそろ。 るも更変き 面のセミススコロで特図限計316よるも計等318082 てでそれ、おい合製をいてれる玄夾のよっるすらびど大 Aの表。それ多略帰るも出送を7く7 に略帰示表の後、 式るせる吠辞を嫌うくででフい用を8<u>置装示表変</u>に、フ し校び段手廊帰示表るいでれる猿替び08 球基 御帰所図 、 さま。 それ多略陽るも出送る 引くマに略陽示表るを示

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【0120】なお、始動記憶数を1増やした場合には、 (用気光動膜低 [ ムをく OZ

そ) るも宝丸を動棋(ROIAをくそ: FAをくそ(F) (用家形踐7 くぐそ) るを家

売き換すくたそをわまが対数でど大: 3 Aをくそ(3) (用宝)はの に 対

図配着) るで宝光 (本古代 なるせき 世系 3 (世) としょう 3 (科) 図証者をわおひり [器示表科図証書: 6 ムヤくそ(6) (用宝好くーをい慮変) るも宝舟多くーをい慮変

の研図服券をわまり8圏装示表変向:4ムをくそ(4) (用玄戎邴図(半大) るを玄戎ふむ

合脉の科図限特をサち主発多び芒大: & Aをくそ(&) (中古五兩図限替) 用宝

気器を表している。

まるとしている。

まるといる。

まるといる。

は、これをいる。

は、これをいる。

は、これをいる。

は、これをいる。

は、これをいる。

は、これをいる。

は、これをいる。

に、これをいる。

に、

(用家牌の芒大) るで気形 (本) まままままる (大) こんだくさ (1)

。されち用動3161の下以、対機店

各。るもで図明端を示き機店各、お1己1四【4210】 。るで気形としげでむ」 おの合製

るもつ前の代以れ子、J宝夾」(0世大) 31合製るもつ ሴሴቼ፥J@[70፤] , [80፤] , [87] , [7] , [E] な動の子おえ例 、おつ (題状変新) 題状率 OE

新高、パま。&を宝式がくしれでお」 おい合根をあつ動の **代以け予、J宝夾3 [で芒大] 3)合製るあ**で [ € ] ぬ動 の子割永門、お字遺状常証、こりでよを示い41図、こし → & をもがもつるとる動の囲跡のる16~0割機店用家 をお入び当フィットろうご動の(機店用気件)機関限群)機 店用家件のど大るいてれる出断されなす、動ふし出れ読 [0123] & C.C. CPU56(t, 37,75522)

145 副送れてくてのあっているができたができたれている。 表の81器示表動語値的、ブン校3/8 6 改基略時でくそ 【0122】なお、始動記憶数を1減らした場合には、 

**科図収替式し点校3/4; 新語健的、おの合製式であず4** 体機制語値は、おえ内。るをマリセ多容内のマリエ解路 動機店式し流校3)機動語値約のきろのチ 、おな 。るを解 各31711工解咨詢機店るを动校311-n: 割品値給 、多 前各るいフパを解替31てリエ解替前機店をも点状31(4 ,・・・,2=n) n;劑:雷(歯)钕 ,さけなす。(EBR てゃそれ) るを1てぐ多動のてい 工機 計劃機 店舎 、Ccか ひょ 、しる滅しを動の機動語機論 、(SBSTゃぞK)から る乱数値格納エリアに格納されている値を読み出すとと 了 0 心機劃 写機的。( I B S て ペ そ ス ) る も 短勤 る 動 の 機動信値於51そよを示5161図、ブいよ51単処スサロと 【0121】CPU56は、ステップS25の特別図柄 。されち冒払なってマに職場

**一半を見しているLED数)を1増やすためのランプ** 表の81器示表動語値的、ブン校308を建基時間でくそ

30

林間映慮変きひよく一を八慮変常面でいる妙り、4割え 内時短縮変の所図の中古五、おくータバ値変縮成却 か でおし、みな。(48とてでそべ)るを宝光のようるする

れち宝丸を送り送すくでそるいは30対数でど大、おい合料が れち宝歩33よコるでも0世大、51ま。されち宝券Wb合 **脉の种図上引ふるよるよる大き宝安がかのいなけずかのそ** 行る出演モーリ、ブンム熱激値変の兩図、されなす。る れち宝光込む合脉の耐図11軒のれずれず、れち宝光心る もる熱態はをお、 ゆるする熱態モール、多熱態値変の研 図>でもまが賞人値的、プリがもよの土以【0 E I 0】 気はっている動いターンである。

°Ç

確なその種図古五。 るも主発はひ 些大い合果式に厳な種 図山野の林図中古五、おう懇談の断実のコ、ゴま。るで 当の処理をまとめて示した場合の処理に付当 1~3303の処理をまとめて示した場合の処理に付当 0 6 2 とででそれるわない野型スタロで帝図限寺式れる示 3) [12] なお、図13に示された処理は、図11に

。 そならそーじの合動力で

多をくされの必式をを放出を (···, 2 , I: n) n ムやくそ、不以。るあつ等2ムをくそれれる出断、冰動 オルち出る読るゆをくぐれのめれるも加土多等らムやく そのめ、37新同。るあつ(楼店用宝件でど大)「ムやく それれち出歴、沈動なれち出れ読る体(をくぐれ用「ム そくさ) そくたたのめれるも初土を「ムをくそづせくミ う遡沢の敵実のゴ、おな。(E0[2てゃそん) を見 ひろ動すべたた , (2018でででん) おひ合根さい ファポスル上以(I+動大量) 私動のをくぐたのあれるす 効±を[Aをくそ、プリチ。(1018℃ぐそれ)るも I+多動のをくぐれのあれるも効型を(機店用家件で芒 大) 「ムをくそ、おるとして、フィルはご理以来更要活 用宝牌。るあフィーャモーロでを示多時一の(828℃ 10132]図16および図17は、図10に示された

ムをくそ、プ点却のコ、ファよ。(1018ででそれ) るも国籍のもくでたのめがるで加里を「ムをくそ、多 動みれる出曲、(3018ででそれ) 31をともるで存 ち出帖、ブンチ。 るを代入多動インやれのをくやれのめ オるを放出る「Aとなくそ、さけなす。(3018ででそ ス)るも出曲多(焼店用気光面膜低 [ ムをくそ) 「ムを くそ、おろらを思えらる。一致していた場合には、 々々、別れわない丁∪産一。(4012℃でそス)るす **郷が否かないを一と前をいてれる有果のマイルが削削** 使用 I Aをくそフし 4動 関係が動のをくぐれのあれるす 【0133】次いで、CPU56は、ランダム1を生成 。さるなとこさいしゃくぐた用n Aをくさ

な。るれち更変は動敗所のをくけれのめれるで烈丑多!

おやいけんはあるまたまはずれ時の通常常のできた。(して、 Mac 1.4 L L を上記またましょい は変がけれなす 題状変新。(682てぐそれ)るも玄丸がよコるももく ーをい他変誦豆却れでおるくーをい他変制れるう意状変 新。(SBとてビネス) & も短勤多心否心態状変新 、お 5)合献らならては玄武形のようるもそーで【6210】 。(188℃ ゃそス) るす玄丸 まくしをい 健変

> (用家英動膜(はるムやく そ) るで宝光多動開酵のるムをくそ:8 ムをくそ(8)

(用家英動膜(は) 4 とく そ) さを宝光を動機((の) ひをくそ: 6 ひをくそ(6)

**央楼1くぐその(3)ひよは楼店用宝件で芒科図配普の** (3) 、機遇用家热熱図で芒大の(5)、機遇用家牌で 世大の(1) がるるとろでは、CPU56は、(1)の大当 は5.1世処断時対型がれる示5.0 [図 , おな【 6.2 [ 0 ]

(9)の乱数以外の普通図柄に関する乱数等も用いられ ~(1)5511、ブルカナをある水を水が、大は、。そもア 遊店用面膜成む式ま機店用示表は機店の代以るよう、() 01 あつ残店用気件なられる、されなす。そ行を(貸献!) て、マイくされのをくされのめれるを放出を機店用家

Sででそれ) &で宝央多研図C世大フc新31動の(EA やくで) 遊店用所図でど大 ,おいい きょかれち 気呼らびど 大、ブいおひょととてゼネスを示ひを「図(8210) 場合もつらない田を囲跡のか、ファ右で同一を囲 でいる。また、図15に示された各乱教値のとりろる範

B S て ぐ そ ス ) る も 宝 央 ま く 一 を い 値 変 の 种 図 フ い ひ ら あろが動の4.4をくそ、3.出帖を(4.4をくそ)機店用家 **丸くーをい値変、式ま。るいてれち宝鑑が号番所図の中** 古立式し気快いれずれずのかは合み解の帝図でど大の譲 郵機動 、おろいて一で兩図の芒大。 るれち宝好フしる研 でそス)野処禄寅娥店用気伴るれち行実プ野政略博対逝 05 図で芒大、松林図各の号番麻図を4Jブれち宝媛JJJ(てー そ兩図の芒大式ン点の前のとムをくそ、おえ風。(68

2-2~をくさ、jtま。(T 3 2 て ぐそえ) る t 宝光を **韓國立ファがい動のⅠ - 2 ムをくさるいフホ 8 出前さ** なも、動式し出る語で232とてでそれ、おう意味の効実 05 のこ。そ行き宝光の林図山県の合製いなしょび半大、お 8 1 2 7 】はずれと判定された場合には、CPU5 6 °(588747X) 84 国形を残りくかそフィットもの面のるんをくそ、し出曲 多(8 Aをくそ) 機店用宝好機1くむそ , ごらち 。(8

[0128] 25k, CPU56k, U-FJ3CLk 40 。さずろりてよりなしな一、五種図の世大、フ J 5 研図山野の研図中多研図をで点校35 動式 1 葉成 I

の柄と一致した場合には、中図柄だ対応した乱数の値に

市立心研図中式はち宝歩、プココ。(88℃でそれ)

るも宝丸を耐図市フト並31動の8-24をくそ、ブリ

の研図プィッでもようかムをくで、し出出を前の(ケムを 央3153&をモーリ 、(038ででそれ) J鴎翻を(d 否へるいファ南や科図11月の古法) へ否へれたち宝丸

な。されち更変は動棋爪のをくぐれのめれるを放土を8 ムやくそ、つ点却のコ、ファよ。(「「ISでゃそん) 動みれる出歴 、(81127~マス) コタムムるで存 界がママセバ動限所用 8 ムを くそ ブリム 動機 所を 動かれた ち出時、ブンチ。るを代入多動インやれのをくぐれのめ オるも放业をQAをくそ、されおも。(3112ででそ ス) るを出曲多(残居用気央動既成るムをくそ) 6 ムを くそ、おろら掛かいてした。 そもてままのそお前十く それ、おれわないフン雄一。(4112てでそれ)るも **霊郵位否体式し定一と前るいてれる有界31々てゃい動**限 成用 8 ムを くそてして か 関係体動のを く もんの め かる を

ま。るれち見い副科界の部人致歌雷却の合脚かいてれ ち各科は前のるAをCecMARででてせい、、体をた ち宝媛ぶゃくぐたのめれるを放出をもAをくぐは[0] てしる前期(はないきょかれる人)、独な歌事の数対強、は

よるJ動機をJJアれち科果JJ段手動語を一干値変、JJ合 は式し日歌な給共代電 、お段手商制裁載 。るれち気派ぶ MAAででアセッパタマに、外動機成用 3Aをくそ、オ

,(322℃でそれ)ひまちよるれち行実回ITィがおひ 野政略時対数六代を示ぶ01図、お181図【6510】

あフィーャモーロても示る例一の野処帝更換店用動棋 叭(8 L 2 てゃそん)るれる計実し返び繋び(間部のブ まるも主発心心情マト々 s m 2 の回次、影下殊野処商帰 対数)間部で余込階されない野吸ぐトトオホち示い 9回

I E 2) 耕同 3 合製の I A をくそ、お) (I+動大量) 、お な。(8818でペネス) を見3003動1くたれ、(2 E I Sてゃそス) おろう合製るいファガン1上以(I+動大 最) 込むのをくせためのかると気出るしるやくと。(1 **818T・マス)るも1+多面のをくけんのめおるも類 08 昇37TT・が動機傾用さみをくきてしょ動機柄を削えれ** 【OI40】初期値用乱数更新処理において、CPU5

合斟の 6 ムを くそ 、おり ( I + 動大量) 、 おな 。 ( 8 & I 2てベネス)を晃功と含動すべせた , (8 E I 2 C ベネ の4 脚式し削動が給押代雷 , 払妈手畸储表逝 。 & れち痴珠功 ス) おい合根をいてでない上以(I+動大量) 液動のを くされのあれるも<u>気</u>型を8ムやくさ。(46 I Sでゃた ス) るも[+多動のをくぐれのめれるも効型を(機店用 気光動膜(はるんをくそ) 8んをくそ、パま【「p「0」 °2421

ペテス) も見310 含動 イ く ウ は 、 (8 € I S で ペ テ X ) おろら思るいてでなる八上以([+動大量) 放動のをくぐ たのあれるも効型をもみをくそ。(TEISででそれ) るも「+多動のもくたれのめれるも効型を(機店用家 央動膜(は0.142) Q.4とくそ、ごらち【2.4.LO】 。 6 後 7 4 T 5 3 新 同 5 。

場合と同様に19である。

。るを誘辮を罹更 の前機、ブルトともご前機をルブれる特別に到手討屈を ーで應変、JA合展式J日gが結構代置、AI毀手廠開封鐵 用初期値バッファもバッケアップRAMに形成される。 「ムヤくそ、オま。るれち気い動存界の部人投敵雷払び 合思式いてれる科界体動のIAやくそいMARででても ペパ、、みるれち科別3Vマビッハ動陳成用IAをどそびよ

2C\$5. IISてゃぞス) を見ぶり多動すべやれ , (6018℃ ペラス) おい合根るいファない上以(I+動大量) 校動 るも宝鍔31々くぐたのめれるも効±全るAとくさ、ぎ 01 のそくぐたのめれるも効±をAをくさ。(8012℃ ベネス)るも I + 含動のをくけたのめれるも初型を(焼 店用気免酔図(世大) & Aをくそ、コ次【4810】

。各支誘蛛多罹更の動機、ブバで 02 「おり(「+動大量)、おう競渉の誠実のコ、おな。(8 SISてゃそス) を見ひとを動すくたれ , (SSISで でそれ) おろら思るいファなろし([+動大量) 心動 ひをくけれのめおるを独生をさんやくに。(1212で ぐそス)るも1+多動のをくぐたのめれるも初型を(機 

た、ランダム5用初期値バッファもバックアップRAM おるが、バックアップRAMにランダム5の値が保存さ ち玉媛31をくぐたのめれるを加土を己んをくそがし87 てしる動膜成ぶきとれれる人致心脈雷ぶ勝技逝、は な。るれち更変体動棋所のをくぐれのめれるを放出をる ムやくそ、プ点部のコ、ファよ。( TSISででそれ) るも立場 ひゃくけんのめ かるを 放出 多る ムヤくそ 、多 動づれる出断、(8212でペネス) 31をとしるをも 5出献、ブンチ。各を代人を動すべたれのなべたれの後 プロストランタンタンタンタンタンタンタンタンタンスを正成するたべた ス) & も出曲多(凌店用宝光動牌店 d A をくそ) 8 A を くそ、おろらはないてしたー。さるてままのられ面すく クセ、おけわないコンを一。(4518ででそれ)るも 短野休杏やオノ茂― う動るいてれる有界コットにい動観 **使用さんをくさてしる動機体が動のをくぐれのあれるを** 【0136】そして、CPU56は、ランダム5を生成

[お]([+動大量) 、おう懇讯の敵実のコ、おな。(8 IISでででた) を見ひり含動インやホ , (SIISで ペラス) おろら思るいファなろ(1 + 動大量) 液動 のをくけれのあれるを無法をしなくで。(IIISY でそれ) るも I + 全面のをくぐたのめれるも初土を(機 店用宝先送りくぐら) るんをくそ、ゴま【7810】 。 るも誘熱を罹更の動機、ブルケ

よる31面機る4JT/ts科料3J段手割語や一テ値変、3J合

【0 1 3 8 】そして、CPU5 6は、シタム6を生成 50 【0 1 4 3】図19は、図10 に示された遊技制御処理 °9426

、お鳥胡のコ、みな。るれち出帖は(竣店用宝好動膜は I Aをくそ) TAをくそ7 野域の3012 とくぐそれ、5 るす。るれる出勢なもコオノ疫一・4動棋体は動すくでも プ型処の4018ででそれ、(8018、2018、1 012てビぞス) 」を見300公動フれを1+プコチ、そ 悪つましる「6」は耐インでは、プロるいフれち存界 は012なっている。また、最初は初期値として「0」が 前の成長の 「ムヤンで、よりで例の」。さるで図明説を示 多限─の動のをくぐれのめれるも<u>新</u>主多(残居用宝件で 34

ないろころで新むるは「9」の関係、おきくでたの あれるも効业を「ムやくそ、その時点から、ファがん」を生成するため **れち宝媛位前のチジャンでれのめがるで加出ましんだ** くそ , (8012ででそれ) ひきょうるれる存界体動の そ、たち出献は「61] フリムアムをくで、」るも。る すっぷっあつ [9] が動 インウスのをくぐれのめぶ るで加出る「Aをくその点却のろ、つつコ【0310】 図2 0 においてAで示されている。

のコ、ファ新。るれき宝鑑体動の多31をくもれのあれる **も加土をIAをUそ 、(3012でセデス) かきちちる** オとひとして「195」が抽出され、その値が保存され べそ、564 。6センガであつ [391] は動すべたな る。その時点のランダム7を生成するためのおおひちの る。なお、この時点は、図20においてBで示されてい Aさ出前やアムをくそう更処の己012ででそれ、56 でかかって低が初期値と一致したことが検出される。 更吸の4012ででた、人名な51194の処理 前のもくされのあれるも数主き「ムをくそ【1510】

ど大の胡率新型) 8 「松動 1 くでな 、お(会) 明里 、ブ は、初期値「n」から歩進する。なお、図20におい そくたたのあれるを成立を「ムやくそ、るな点部のコ 、ファが。るれち宝強体前のそのなくされのあれるも気 五多しんをくで 、(3018℃でそれ) かよりもなるれる 存界は動の多、AS出部はしn「プリンアムをくそ、5 るも。るもろかっあつしn 7 は動しくたたのをくたた のあれるも効型を「ムをくその時期の子。 るいてれる示 が抽出される。なお、この時点は、図20においてCで TAをくそう更吸の3012でできた、よるも。される 山勢はよったした一く前限所が動すべたなで野処の40 ISとぐそス、よるなか」「391」フし新走は動のをく (0152)そして、ランダム1を生成するためのカウ 36 新載表へ [ 3 6 I ] 動膜 08 所、おなくでたのめれるを放生を「ムやくで、るべ点却

でれのめがるで放主を「Aをくそ)をくでれのめがるで O2 些大)「Aをくそるを小変ファよが野政務更機店用気件 宝光を動棋所の(をくぐな用宝牌で芒大)をくぐなの体 オるを放土を「ムをべそ。こいてし 重社を依頼の子れを くでた、多以、 たち宝髪が動棋体なが帯ブしも動すくで み 、5/動るを (インやみ Γ I E) 国 I M動のをくぐれの 【0153】以上のように、ランダム1を生成するため 。 るいて 7 示ふ 置 立 る な と し ( 動 玄 阵 ひ

> 野政務更遂店用示表 ( T I 2 て で そ た ) るれ 5 計実 J 函 び繰び間却で余仏階されは30野処ぐトトメれたち示209図 、(428てゃそれ) ひきちらるれる計実回 [ フィりおひ)

> > 33

4を生成するためのカウンタのカインでは後251減ら 10 ムをくそ、(2312てペモス) おの合根をいてっない 上以162が前のをくせためのかるを放出をもんをくさ 。(「3ISでヾモス) るす & + 含動のをくぐれのぬか るで放出る(矮店用玉兒(ーを//健変) 4 4 をくて 、お 8 3 U T 4 4 】表示用乱数更新处理において、CPU56 の一例を示すフローチャートである。

最) 前限はの前のもムをくそ、されおも。 るなごりは前 つた後に251になる。すると、251減5すと、その 20 なる。また、値が2から始まった場合には、248にな 253になる。すると、251減らすと、その値は2に ががったかりは1から始まった場合には、250になった後に なる。すると、251減6すと、その値は1になる。ま から始まった場合には、249になった後には252に の放動、つのういつえ替べをおお動インでたのをくでた のあれるも効型を4ムをくそ、ゆるあつ032お動大量 のもんやくそ、おう意味の敵実のコ、みな【さり【り】 。(EBIST (元尺) 世

大量)、おう想法の前実のコ、おお。(8812ででた ス) も見ひ0多動インセホ 、(3312ででそれ) おひ 合根をいてゃない土以([+動大量) 松動のをくぐれの めれるも効±季!−SAをくさ。(4 8 I 8でゃそス) るも「+多動のをくぐれのめれるも効虫を(機店用家 共林図れずむの立) [-21をくそ、コ水(8410] °9124717 たくて 製料るあ、さ(面の多される見な動フえ魅き動大

の耐実のろ、おな。(6618でゃそん) を見ひり多動 インセセ 、(8812ででそれ) おぶ合思るいファなぶ 土以([+動大場) 放動のをくたれのめれるを放車を2 - 21をくそ。(73 [ 2てぐぞス) るも [ + 含動のを くたたのめがるで加出る(機店用家共科図れでおの中) 2-24とと、おの合即より主体が上部されなす、合 最がれる気が0な動ファなが上以(Ⅰ+動大量)な動の そくされのあれるも気主参ししるみをくそ【7410】 (112である。

の献実のコ、はな。(2818℃でデス) を晃ひりき動 インセス、(【3【2ととれて) おり合動をいてっかり 土以(「+動大場) 体動のをくぐれのめれるを放出を 8 - 21をくさ。(03 [ Sてゃモス) るも [ + 含動のを くされのめがるを放出る(竣店用宝丸研図れをおの古) 6、すなわち桁上げが生じた場合には、ランダム2-3 よれれる見びの放動ファなび上以(I+動大量)が動の そくけたのめたるを放出金を一24をくさ【8p10】 。るあつ 2 [ お) ( I + 動大 最) 、 おりつ 激沃

10149]図20は、図16および図17に示された 。るあひ 2 [お) ([+ 動大量) よりつ憩泺

点部のコ、ファが。るれち宝媛は動のそびをくぐれのあ よるも成业を8.4としょ(3112ででデス) かきち

よるれち科科な前の今 、れち出析は LII フ しょりん

プ型弧の♪ [ [ Sででそれ、」となる」 1 4 の処理が 前のをくけれのめれるも数主をるムをくそ【7810】 まは、初期値「3」から歩進することになる。

くされのめれるを放出を84をくで、84点割のコ、ア ぐが。るれる宝媛や動のチスタンクはの他かるで加出る るムをくさ 、(8 I I Sでゃぞス) コタð 去るみまな料 な動のろ、れる出帖はしと「てしてしょんだんで、」ろるす ふをもったったり [61 な動 ] くりたのをくりたのめか るで放出を84をくその時期のチ、かつつ【8810】

。るいてれる示うAフィンは 37 [ 2図 、制点制のコ、おな。。されち出曲は(竣店用宝 そス、」ろも。。それち出めやよコオノ定一も前限内や前 インセカラ野域の4118ででデス , (8118, 21 【2、「【1とてゃそれ) 」を見び0松動フれち【+ケ ろう、人当つまし817位か、ケウント信か、181まで進み、そこ ななっている。また、最初は初期値として「0」が保存 説明図である。この例では、ランダム6の最初の値は0 を示る例―の動のをくぐれのあれるを放出を(機店用家 **玖媛7くぐそ) 8 ムをくそる も小変ファよい 野吸 篠更茂** 店用支門される示い「「図びよは01図」が「2図。& **れち晒晴いそよるない ムやくそ か動 関 団 の 楼 店 用 宝 共** 

幾1くやそ、ひるち、わつ意法の前実のコ【8810】 \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ **やくそうなお出側URJでくミトをるない動気性で芒大**な 動 1 く 6 4 用 宝 時 6 世大 、 3 6 よ 3 4 ま 示 5 円 星 3 0 2 図、れれよい憲法の敵実のこ。るない難困れらこむ近の 送31 [ 8 改基主を导計賞人権的な五不ファさは多せてミ

トやるなの動気性で芒大体動インやな用気性で芒大 、き プリムオれる艦駆体やくミトを飛更動すぐや休用家伴 歩進が始まる。すると、不正基板が主基板3 1 に接続さ 10 のをくたれてあれるある休前期内なんをくそ、31割るす 周 [ 体動のをくせれ用気牌で置大 , でまつ【 4 8 1 0 】

。るすが変ぶんなくそも動機はのをくせた用気件で ど大、ブのるない動なムをくそも動の「ムをくそるれち 次主、果務の子。るいファなが間限なムヤくそ、プの各 な異ていふい以外行逝の敖逝、お間却で余の多、アン多 。さいフパちてゃてインセカフ (間却のつまるを主発体 ム情マトを2m23j次さゆプリ下鉢や野処商制技数)間 みりは、CPU56が実行する進技制御処理の余り時

用宝光送りくぐそ、 なち宝光の4 [ 体送りくぐそむの合 製3人2程一3171 、E 1 、6 、6 、1 体動の機店用宝典 様うくぐそ、 れち宝灰 から1 は様うくぐそれ か合脚 かし 送─2181 '91 '17 '31 '01 '8 '9 '1 '3 体動の機店用宝夹機1 くやそれれち出曲 、おいろうろあ る。図22ほ示す例では、進技機の状態が低確率状態に あつ図明端を示ふ例一の希関の 3 動気性の用気光端 7 くやそも機店用家夾嫌りくかそ、お22図【1810】

\*8478484776431484888 やそな考大体動インや休用家先竣斗くやそ , 51 そよかれ る示で印基ス/ I 2図 、お/木よス/盥洗の断実のこ。るなス/ 類因およろむびび送ぶⅠ と 改基主多 (等号 冒質人値) 母割な五不ファるは多せくミドをさなり動気性式し気校 5)茂!くひそな考大や動すくひな用宝光焼すくひそ、き

**プリムオれる艦駆体やベミトを確更動イベウは用宝夾** 残ってやそフィッともの得合れる代出る体効基主、れ ぬ動のをくぐな用家疣嫌りくぐそ 、ℓまで【08Ⅰ0】

きめ歩進が始まる。すると、不正基板が主基板に接続き てやれてめれるある体前期体がムやくそ、30割るを周1 。させか変がなく

そも動棋時のをくぐた用家歩機7くたそ、5のるおご動 なんをくそも前のもんをくそろれも効果、果結の多。る いっておい間膜なんをくそ、うのるな異つい点が恐状行 **並の対数、お間部で糸の糸、ブレチ。そいフれちてでて** インウセラ (間却のうまるも主発体が陰マトセ 2 m 2 コン 次る4つして郊心野処衛は対強) 間初り余の野処衛は対 強るを行実体U9つるわない翌手瞬間対強、おいくをくや たのあれるも気主をもんをくそ)をくされのあれるも宝 好多動膜(RO(をくぐな用気光焼斗くぐそ)をくぐな(O)OS はその値から歩進していく。 ういずしを生成するため をくけれ、影以、れち宝鑑体動膜内なれ番ブしも動すく でた、JJ動るで(インでた6 I)周 I 放動のをくぐたの 【0159】以上のように、ランダム6を生成するため 。さいてし示を置かるなく ( ( さを 4 動気 ) はない

☆依54幾7 くぐそ大量) [ [ ] 体動イくぐな 、お(会) 期値「K」から歩進する。なお、図2 1 において、星印 時点から、ランダム6を生成するためのかひかいで、 それ点部 のコ、ファが。それち玉紫欲面の多いをくぐれのあれる **も効±をるムをくそ 、(8118℃ぐぞ尺) ひきちちる** ホンダム9として「k」が抽出され、その値が保存され サンタのカカント値が「K」であったとする。すると、 たいている。その時点のういがムりを生成せるためのか 布出される。なお、この時点は、図2.1においてCで示 社もなべらつ更吸のBIISででそれ、よるす。され を出験はよっかし煙―も前膜内は動すべでれず野域の4 IISでゃそス、ろるなろり LII フノ亜地体面のをく たれのあれるを放出をもねをして、プレチ【82IO】 

対ば、普通図析プロセスフラグの値を更新する。 は、CPU56は、普通図研始動記憶の値が0以外であ

がよりも同れれるつの社前の意思値が所

度一3相変新払永例、払制率郵高の兩図配普、みな。& OL いみ318置装示表変同、影313代4名示表が帰図をならび **れる宝好」(7世 、私)れを定一ろ動(7世 な動の残店用気)** 

**重普の7歳状の前実のコ 、ホタイ(B)62図【8810】** 

は確率のときには3、5または7である。普通図柄当り

「とのときには当り値は3~12のにずれかであり、 関係を示す説明図である。図25(B)に示すように、 のよれをお入りどろ(アムをくそ) 機店用気件ひど所図

**重者 、みな。るを「+多動の歌語健納科図重替 、おれい** ないてしま、しな野心合かるかるがは、 しょっぱい の3) 動大量体影品値斜柄図鉱管、83パリンしく下体 B 26キットスイーヤ。各を出鉢含く木のB26キットス オーヤンでよるが画板はの28イーヤるなも弁条の結 開礎変材図配置、おう野処モベトスイーや【88[0] 。るを行実多野吸の休れをいのさその °タロユロ

最のさんをくそ、わで例のこ。さるで図明端を示き例— の動のをくぐれのあれるも効土多(機店用家件で芒科図 **画普) さんやくそるも小変ファよい 単処 森更 渡店用 宝**峰

る I 置装粒賞人変厄のフリム桝労値電面普 、おりつ競派の

赦実のコ、おな。るれち職帰関開フに並ぶくーをい放開

、お16 [ 置装殺賞人変厄 。るあかくーをいなさよるを効

開間休る1、1 支再プロは次間限次間の休り、4 数310

放開間休る 「 . 「 ぬる 」 置装牧頂人変 に 、お 3 制率 新高 、オま。るあつてーをいなるよるも効開間好2.0454

回「なる」置装お賞人変に、おい部率離型、おえ例、お

べーをい効開の3 [ 圏装私賞人変而、おむ【0 7 Ⅰ 0 ]

賞人変に、影式して殊は示表変にの研図配普、おい合思

式作5宝好50世。6を宝み50動の代以して7 , [ E ]

「7」であるとすると、当りとする場合には停止図柄を

世プいてもより科関外は名示の12図、されなも。各す **東央されをお入りどフィルでよる31面の竣店用気件りど酔** 

図証者をいてれる出帖されなす、動ふし出る読るやてい

価格納工リアの値をシフトする。そして、表面のてして解路動

後店各、Cへ、Jる数1多面の耐温値的研図配置、518 る乱数値格納エリアに格納されている値を読み出すとと

を は とっぱい 「 = 残割 に は は が 所図 配着 、 ブ い は ちり ( ETR と

(0169]CPU56は、普通図柄判定処理(ステッ

おい合根のけをお、し宝歩い「「」おれました「

, [ 8 ] 放酵図で置、おり合品をある字葉の 6~ 0 放

たろきの等機店の宝商、ブンチ。るを宝舟を介をお入り 05

。るれち放開なる [ 觜葵萩

スパミポント [図2343 [図 , 1392図 [ I 7 I 0 ]

かの値は3になっている。また、最初は初期値として

点荷のン、みな。& たち出桩は(竣店用家牧動関係 & A やくさ) 8ムやくそ7野処のさら12とぐぞス 、らるす 。それる出跡がよっなし茂一・1 動成の体動すべたなで野 121, S122, S123), X7577S1240M Sてでそれ) もる見る(6. な動でれる「+プロチ 、4. 動で

は、図26においてAで示されている。

るもあ业を8Aやくその点部のそ、アココ【2710】 02 7更処も新煙薬所図面曾の272ででそれ【7810】

動の多、J出曲を動の(3.4をくら)機店用宝牌の芒科 のLEDが点灯される。そして、CPU56は、普通図 

更処される示いる「2~2~2~2~2~元人方の前のも そてスサロで帝図厳普、ス/教式し計実を野処モベトスイ て耐図配着。るあつイーチモーロても示多(TSSでゃ 

ロセス処理では、CPU56は、ステップS71のゲー マス) 野処スサロで兩図配普るれる計実プいは3/野処邸 いれるアしてもよい。

行多(健変再)示表変厄の研図 カー、影の子、 れち示表 山尊砂が兩図がい点が送ってから大量、約30巻とかれる

| 気抉び(1くたそる I 払 ケ № 0 5) 渡りくたそ大量、び

群、316ち。いよよろしろによるを示表を果辞宝央の機

インセラ 、多式で行き出資示表なるよるもで舗盛い各対

強体とつるいてれる出事が幾十くやそ、プいよい9畳装

お318選表示表変に、おう例の第1、大き【4810】

くでき、おい合思るれる宝巧な嫌っくできてい点の神図

山駒の科図収替。るあう図即鏡を示き附一のた式宝光媒

れるようにしてもよい。図24は、そのようなラウンド ち宝忠な渡りくぐらブン点が静図上身の神図眼寺、なか

**パち気光ブいたろき31面の機店用気丸機引くやそれ機引** 

くやその中対数で世大切で例の第1、みな【6810】

秀な面画を示多嫌うくらそぶし玄男な段手邸帰敖逝、ブ

芒大ブいよび 6 置装示表変 に、おび 附の こ。 る も 文 図 映 端を示る例一の戌駐竣1くたそ、お162図【2010】

3,15,17は一部へとおい合根オン産ーコワ1,21,5

そ、パち宝舟の41体機1くやそおの合脚かし程一318 

店用宝先送りくひたされる出帖 、わいろろるのい意状率 

32

I , I I , 7 , 8 , 8 , I 社動の機店用宝択機引くや

るれる示

。。。
。

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。るは兼多機店のあれるで宝丸多機1くウモ、社 **竣店用宝央研図で芒大、やれち用動お竣店用宝舟竣刊** 

RAMに形成されている。 てでてせゃい、お勧昂徳納耕図厳普、おお。るを激昂を ンの歩んを進物が始まる。すると、不正基板が引き基板31kc 50 201の表面には、発射された遊技球を整導するための ウオフめれるある心動期内なムヤンランプ国るを周1や 動のをくけれ用宝吽の芒醂図亜普 , ひまつ【8710】 °95

> 、つのるなり動なムをくそも動の8ムをくそるれを放土 、果故の子。るいファない間間なねをくで、うのるな異 ていない民状行逝の対強、お間部で余の多、てしそ。6 いろれるで、てインウセラ(間部のうまるも主発体払信 余の野吸略は対数るを行実なるとUSO 、おくせんか のあれるも熟土多8ムやくそ)をくたれのあれるも宝歩 多動既成の(をくぐな用気性の芒科図鉱普)をくぐなの はその値から歩進していく。ランダム5を生成するため そくでれ、釣以、れる宝鑑な動棋団なお番フしく動すく でた、JV あるを(イベウは I I ) 周 I 心動のをくぐたの (01751以上のように、ランダム5を生成するため 。るいてし示を置かるな

3 L (C一の動気性で芒) 3 T 放動 インセセ 、お(☆) 旧車、プいは5/0 図26/15は、車が高いでは、車に下して、車に回り面 06 財団、おをくぐたのめおるを独立多るムをくそ、るべ点 耕のコ、フゃが。それち玄紫が動のそいをくぐれのぬか るも初土を己ムやくそ , (32125ででたべ) ひきとら それち 引いて「m」 かは といばか 保存される そ、564。645パーあつ Lm M動すべせせのをく たいろ。そのは点のランダム8を生成するためのかか 出される。なお、この時点は、図26においてCで示さ 酢な8~をくそで型処のさら12℃でそれ、5~をも。& の処理でカウント値が初期値と一致したことが検出され ▶21Sてでそれ、よるなな」 8 ] てし 逝光 放動のたく 02 々せのぬけるも気主会さんだっこうろ【p7L0】

。各も動むる位 [8] 面膜は、おをくぐれのあれるを加出を己んをくそ、ら 体点却のコ、ファが。るれち玄強体動のそぶをくやた のぬれるも初里を己んやくそ , (85125)かり きょうされる科界体動の子、れる出曲体 [8] ブしょ8 ムヤント値が「8」であったとする。すると、400mm る。その時点のランダム8を生成主るためのカウンダのそ。そ る。なお、この時点は、図26においてBで示されている。 れる出酢が8~をくそ7.更吸のさら12℃ぐそス 、5.6 01 を。それち出始やよっなしたことが検出される。 す 20 型吸の4212℃でそれ、36な5124の処理 前のもくぐためのかよるを生成生を己とくして「8710」

°Ç かりょうるで進むるは、11 動機は、おけくでもの る。従って、この時点から、ランダム5を生成するため れる気態体剤のそびをくたれのあれるも効型をさんを くそ、(8212てぐそれ) かきょうされる存品が前の 予、休さ出前はし「「」アノム8ムヤンモ、」ろるす。 もろがっあひし [ 1 ] 放動 インウカのをく ウカのめか

盤との1を示す正面図である。図27において、遊技盤 **技強、おりて 2 図。 るきつか よ コるを用 直 き 3 数 技 逝 に く** そい断2策払明発本、なびしい例多数対数にくそい酵 [ 策、おう想派の新実の話土、2題派の敵実【8710】 後に生じてさせてもよい。

下鉢の銀状対数の世大、Jいよるフサをフリ主37中部状 **対強で世大のブノム熱状対数宝寺、おけてミトをるせる** 小変き査構陪内、パま 。るきつなくこるを更実ファよい **よっるもご鍋で小変ごも選択いが休し買入も競択いすゆ** J賞人が救费数3/減額賞人Vのフノ 5減弱宝券 、付援多 林瑞健厄3/内(42置装粧賞人変匝)□賞人大 、おえ例 ,合製の予。41よきアしろろよるも宝好多(1くせそる サち小変別え例) せくミトセるサち小変 、おいるあ、ゆ

否へるせる小変多番帯部内の置装賞人変に限群、ブロ よび(徳北のも前京伴も機馬、おえ例) 整曲の宝荷、な **バし示例多のきるも宝形多楼回郷土1くぐそう蟹曲るよ** 3134とくで、より了激乳の敵実のコ、オキ【8710】 。るもど肝ぶんでサロでのろ、水野処のさるとてでそ CPU56が実行するではロでるを行実体86U9O ひよは3 こりもまでは、 CPU56および 回風土、みな。るれち既実体熱対逝るを暗晴のそよるな 3.宝不ななくミト々るを選一ろ動家門の宝雨な勧嫌るれ ち孫更う矧手孫更面漿用気件の用焚回翅工 、え酬さも矧 手京央楼回期18を宝央多楼回期1歳継の1くぐそるや おお憩状対数でど大フィンでくるろうく(動気性の用気丸機 ドングでおう意味の敵実の2) 動気性の支荷も動機がな ち出析、J出析多動機の段手禘更動機用家件の用機回刷 土フィットろように放射条の宝術、5(そくぐたのはかる で放出を3ムをくそれで想派の前実の3) 段手帯更削機 用式件の用送回列土るで罹夷づ内囲踊動残の気液多勤烧 の用玄呼るれるい用スは国際の幾回郷土蘇琳のドンやでる もはい親状対数で世大、のあて鎖にならつるせる詩雑し 虱で繋びまるで蚤スメ(回8 エ ホタで憩沢の前実のこ) 楼回 **卵上熱辮多(海関る4位開の口賞人大の回 1 、わず懇**孫 の敵実の3) 7くぐその気液、ブバンとよろ立気の科条 赫琳をよびところを賞人の海蘭賞人Vのフしと慰蘭宝寺 、体級対数、フィルは30億状対数でど大、ファもで銷厄略帰 **ぶ漁状対逝でど大のアしゝ遮状対逝宝寺な体育ア~ 5 3 春 対数 ブンふう シェカ 井条の 京都 ノンデタ 対数 の 宝 雨 か 春** 対数、おう部状の前実のコ、コメイよの上以【 Γ Γ Γ I O 】 247546

いっておいんやくそうなが世間既いせくましゃるない動 気性でどな動すくでも用気件でど柄図配普、50でよがな ち示了印星3/8/2 図 だれれよい説派の効実のつ 。そなな 要型は13つび公(英の) 1 に送り込むことは困難 をイーゼ) 号割な五不ファるは多せくミトせるなり動家 はひどな動インでな用気はの芒柄図画者、& フリンパホ **ち舗窓はせくミトや帝更動インやな用宝牌で兰科図証普** プリアムき 37号 高るれる代出る中 1 8 建基主 、 れる誘致

るす銭関多222間空賞入路土 、おりひきろがしておめる を放開を222間空賃入院上 、31きもオンンをぬすり2 248, 2241/71に連結され、ソレノイド2248, 2 2236は、それぞれいンク機構を介してソレノイド2 23 bが回転可能に設けられている。関閉片223 a, 2、BES23出関開の核一方法 、おいいる2011 型表表 上。さいてれる気が吹くくく間空質人格上、おり152

745

8,2266を通って玉排出口2278,22666 322路重王オれる敖孫ス側両古五の122か基付取 、数3人配配を46225 は 225 は金通過した後、 賞人がれる出勢でdcss,Bass器出勢玉賞人、な な。さいてれるや焼ぬdcss。 6 6 2 2 器出勢王賞人 の校一古五さを出験多級表面パリ買入5/2/2 2 8間空買入 。るも薄回ぶ向衣

耕なさもの3、1817も7置装粒賞人変向るさせち外変31 (週状の022置装粒質人変にいく)可以していまる。 の022置装和賞人変厄いを今し賞人30減弱宝材をいて 敷含武斠皓内 ,フcあび┡─お汰斠の022置装私賞人 変にかれる示362図23は82図、まな【3810】 。されまびの送び08 2間空覚入路下

辨割限鑑、おり832器示表機回誘難ひよお822器元表 透勘賞人、さけなす。 るれち示表も 帝図の アン 5 蜂 情限 鑑さし 気快 3. 銀 大率 新 今 竣 7 く で そ 誘 雄 大 最 、 5. 1 限 却 の 京府、おろり623器示表機回熱難びよは823器示表機 間貫人、ぶるよるも重要、はな。さいてれるい鑑は62 2器示表 後回 誘蛛 る も 示表 多 接回 誘蛛 の す く ウ そ る い よ **♦の王賞人るよぶも323~8323器出勢王賞人 、お** 5.21を重要では、1861の対象では、1981の対象では、1991の対象には、1991を パリスタファもひ扱

。いえよういてたされ続 3/圖限払3.4 2.2 3 器示表機回熱機びよな8.2 2 器示表機 **勘賞人、お園葵示羨変厄のめがるを示羨多時間限鑑、入** そさき。&い**つ**は兼き置装示表変向のめれるで示表き

丁間、ゴきらオリマ木やさ823トトノイン、オま。そも **雌移出並ぶ向れるで鮭関体2 8 2 口関3/き 4 オノベト**体 4にはソレノイド235が連結され、ソレノイド235 8 4 6 4 0 が設けられている。 関関板2 3 € 4 0 が設けられている。 頭が大勢暗獣土のるとろムモイ津回、50と2ムモイ連 同るも連回で置かた上の4と、期間板234の上方位置で回転する回 るを開闢多262口開、5262口開式な玄烈法が齢が 不の163盤健遠端不、5163盤健遠端不るかち健遠 ファル向31式影多王賞人式作業近で数さゆd 7 S S , B て23□出粮玉 たいの83間空質入路不【7810】

[0188]回転ドラム236には各連結ギヤ237a 。るを雌移行延30向式るを始開多2 6 2

> 銷に貫入体和対数 、スメきられっない憩状が開ゆるⅠ <u></u> 置装 叔賞人変厄 , おid 402口賞人値台 , おな 。 & を半計33 表別では、<br />
> を<br />
> と<br />
> の<br /> 01 □賞人健舒、さけなす。るも効開間膜気液は022置装 税賞人変币 , ブリ杰が出勢 。 るけち出勢ひo 3 0 2 ~ B 302器出鈴玉櫨餅お叔敖敬 、JSを賞人や叔敖敬ひりっ 402~B402口賞人値斜。さいてれる置届やo40 2~ B 4 0 2 □貫入値計の古・中・五オノ満内を(段手 出勢値的) 0602~8602器出鈴玉値的パラパ が 31式Tの022置装粒貫入変匝。さいてれる置届は02 3. 監禁報費人変値、よりろり央中割割の€02対節対強。る いてつ気ボタ603減税が遊技領域と03を形成してい るパーノを続、パも置張の氷円ががは202パーノ英糖

野傷表示器 4 1 において点灯している L E D か 1 つ増や **逓約科図画書 , 51きととるれるや計 [ 私謝店値納科図画** 音、知れれないてし至いなん(るいてれる気形のMAR) てでてせべい) 動写値的所図配普 、 おれわなう 艶状るき 協示表変にブいは310 Ⅰ 器示表所図重普 、 うるを賞人体 取技逝 31.2 € イーヤ。 るいフ れる ty 鑑汰 I → 器示表 謝語 器10の近傍には、4つのLEDからなる普通図柄始動 20 数の状態(遊技球が可変入資球装置220内に設けられ 示表兩図重普、30.65。各を示表変厄多兩図重普をなる ☆子送の6~0割え例、割0 I 器示表所図配普。るいつ れる付端は0 I 器示表所図配普 、おい暗土をわまい02 2置装粒質人変に、よるい器は2.6.1ーゼがし類内をB SEモベトスイーゼ 、おりひSのS炒頭技逝【08Ⅰ0】 な状態になる。

ない感状な蛸に質人な粧麸動のd 4 0 2 口賞人健龄、さ **されて。るない態状効関や5間制宝液、幾回宝液なる** 06 「置装我賞人変厄、おい合製るあつ(研図114)果誌示 表の示表変になわは310【器示表研図配普【【810】 °%፞፞፞፞፞ቑዿ

。さいてれる対処改等![2□1セマ ,de0 2、B0020箱でンモドトセオン麺内をd012、B 012℃Cそ1トサ、d802、b802車風、d80 2、6002車風なし満内をd702、b702でくさ 車風、き31代以及静ふし話し、お316とも機成以外はも、 ま。でいる題状引徳健的多題状で行る引健放開体02 3置装板賞人変応ブン流が出参賞人の○303~880 2器出資土値的5/2とのこ、スま。それを放開回2社0 人値的の央中さその0402~8402□賞人値的 , 内 ち 放開回 [ な 0 2 2 置 装 投 資 人 変 回 、 お 3 3 合 根 ふ し 貫 人 510402 , B 402口賞人機給のお立さその0402 ~ B 4 0 2 口質人健静、 かんよず示が8 2 図 、 おり 2 2 2 置装板賞人変に。各を即端プリ顕参を62図ひよは82 図、ブルマが022置装粧賞人変面、ガ次【2810】 °ç

表の102盤対班多022置装稅賞人変厄【8810】

JO

るいった名置忠い面真の幾技逝、おり6図【4610】 多附一の効構器回るわまぶ1 を (苑基主) 苑基暗嶋技逝 基昭嶋出址、お300図、おな。るもつ図セセロでも示 はは発、0 7 苑基時嶋音、3 を苑基時嶋でいで、7 を強 はは発、0 7 苑基時嶋音、3 を苑基時嶋でいで、7 を強 立せ、お31 を強基主。各いつれも示も08(。そいも 8 名韶回本基名を暗嶋を競技逝にいそパフとが31 を行 02~8302器出鈴玉徳納、8 4 2器出鈴玉玄寺、5 スマルセがよよは322。8322器出鈴玉玄寺、5 スマルセがよれは322。8322器出鈴玉支持、5 スマルセがよれは322。8322器出鈴玉支持、5 スマルセがよれは322。8322器出鈴玉支持、5 スマルセがよれは322。8322器出鈴玉支持、5 スマルセがよれは322。8322器出鈴玉支持、5

OMられおよびI/Oボート部57は外付けであっても A、 )よれないてれる筋内やるるMARもような心、ない セートコンピロイトマア・モ 1、みな 。そもフセートコ くにロイトマで、モリ Selt、1307777712 (24) は、ROM54, RAM55はCPU56に内蔵されて **ゔ懇沢の畝実のコ 。む含き Γ 己陪 1 ~ 比 O \ I ℧ よ は ∂** AM55、プログラムに従って制御動作を行うCPU5 れる記憶手段(変動データを記憶する手段)としてのR を用動プリンリチャイーワ、4 GMOA Sを記憶を等ム そやロでの用略はムーや、おらる路回本基【8610】 。るいフパち薄替や4 8 路回代出辞割るを代出てし校ぶ 置装船への等を一よってにハーホ多号割代出辞情の等殊 **育で世大を示き主発ので世大、ファがコセーマるれるえ** 回路60が搭載されている。また、基本回路53から与 38を基本回路53からの指令に従って駆動するモータ 程令に従って軟動するソレノイド回路59と、モータ2 の3483點回本基多342,235,44422,84 【0195】また、主基板31には、各ソレノイド22 ペッチ回路58か搭載されている。

50 一つの基板に搭載されていてもよい。さらに、表示制御

お、日本のは、ランプ制御手段もよびも開催してよ

海回公向方をお網球を開かる時間を表しての表面では ことで ことで この1の192)特定受人口242の月代は、 で10192)特定受人口242の月代では、 で10192)特定受人口242の日242。 で10192)特定受人口242の日25。 をお覧と47かで人25242の をお覧となるの方には、 特定で力252 をかっての存定は をかっている。 でいる。 でいる。

48で検出されたこをV人首ともいろ。 6193月ともいろとでかります。 61093日近上近した構成において、同日93日近には一て 10193日近日 2012、 42日 2013、 42日 2

。&を立办攻謝誘辮ち&を覚入51242口人受玄詩の o2 れ名出港フして落多262口関フに厳多162強健連陪 子して、知証がた41a, 241bに送られた玉は、下しそ 。さいてし俺移ろり向大るも効関を262口関、0よい町 3 4 は、遊技制御手段によるソレノイド235のオフ制 2 4 I b に送られる。なお、この時点で、開閉板2 日42路底玉で率郵の%001、おお技数の多、合製 式れち1表表が立立06239a,239ck表示な方式が表 低の2037とのとき、関関板234上に停留された遊 転動板240に送り込まれる。

> は吸引されると、回転ドラム236の回転は伴って上部 - 5 4 2 3 6 のいずれかの永久磁石2 3 9 a ~ 2 3 9 c 遠回で内間胡簸閑の262口開、約板技趣式パま近で送 310 6 2間空質人陪不 , ブノラ 。るを値移30向式るを縫 関多な62口間でまるも断路が間部宝術る位でし出齢を 王賞人やd 6 2 2 5 a, B 2 2 2 器出鈴王賞人 、O よ 5) 酚啡 234は、遊技制御手段によるソレノイド235のオン 専門開 、バネ 。るれまどの送び05082間空質人略下ファ **賦多はるなる、あるなな器出勢王賞人が王賞人の子、**5 るを賞人が内222間空賞人陪土が抵対数が中値引効 開の子。各を放開体はそ22、188223判関開フれちく ★間約宝売ぬdhS2,BhS21ト乀4℃ , 5.をも主 **発は親状計値値的。&を関端プロスが耐能値計の022** 置装板賞人変厄るよび段手略怫対逝、スタスピ【2020】 。それ多略陽示表の822器示表機回

誘辦ひよは822器示表残間買人 , 0 1 器示表科図重普 、ファガスパイマに略陽示表式し計受 、お101010 用略味示表 , ブノチ 。るれるや甕はイーホロ\ 「 , ンン間 回路 I O 5 B と表示制御用C P U I O I との ヤワゼバ代人、おJSJ合駅いないプリ葡内をイーホO/I 用することができる。なお、表示制御用CPU101か えば汎用!Cである74HC540, 74HC14を使 20 吶、ブリシ目さ0 I A B O I 路回せてゃれれた。 &をす 割受多さくマロ酚師示表フし介多A 6 0 1 路回々てゃれ ヤスペパ代人がよすり 1 をれトスストへるぬ 1 己効基 OMIO2に格納されたプログラムに従って動作し、王、J 引機ファガコムとはは 【0201】表示制御用CPU101は、制御データR 。される代出は(号配TNI)号

部で一口1尺の1~21かる休り781~木代出、休ち 代出がを一てのイセン8はるならてる(2イーホ代出) O. 1-ホ代出。るあで図セベロでも示いきょうA23,0 29期回マイベバ代出のよびよ273 ,073 (2,04) 一米) 1一次代出の [ 3 改基主 , 6 2 2 器示表 楼回 誘蛛 ひよは822器示表機剛賞人 ,01 器示表研図配普 ,ふ 次構路回の内08改基瞬時元素 、お18図【0020】 。さいては玄圏鴉き等01

修み基配置がれる強咎も配置ででてせべい、tyoy面裏数 対数、J3級同と合製の「熱況の誠実、Aま【66IO】 よいよる アいて たまじょ

3、み基のC一が段手略帰音びよは段手邮储でくで、 段手

フリン製剤気帯が粧炭斑ブいより(パセトや閉開の回8 1) インウで各く斜をインウに終場、れる切構でれてト や関関の回8「なうてから」、おう意味の敵実のコ、ひ また。るれち始開ゆインやそ次、されむす。るれち始開 経の間却パバーをくトの玄而、 よるを立気が静熱機 。る でとなるよって、18回の関閉サイカルの継続権が成立す るを配面を842器出勢王宝寺校(短封勘式し貫入V) #投動式で入る1242日242に入る。そ人の242は投資 2□人受玄特ブノ健連ぶた終う直真多0 4 2 強健連陪上 動部材243a,243bに受け止められた人貴玉は、 □ 、ファよ。るを斜翔を耐断の表情242口人受気舒助 4ほ間口232を開放し、可動部材243a, 243b ノイド235, 245がオフされることで、関閉板23 ている、アルはこりはとかり関関の回路場、おけれま、(フ ころるa、225bに検出されるのは十分な時間を待っ 器出射王賞人フ全体投対越ぶし賞人 、影下鉢小セトや関 間)ファシンで終のパイトや関関、影の子【8020】 たの可動部材243a,243bに受け止められる。

前343口人受玄寺、お王賞人の子、合斟される15廻び 4 8 8 2 3 基本の表示の表中や表表数される智事の14 8 S 込41a, 241bを通って下部転動板231に送り込 路証王、お釈技強の多、合製された1を吸ぶっ9 6 2 、B 234上に停留された遊技球が左右の永久磁石239

では開口232を落下することがない。 従って、関閉板 ま点胡下鉢のパセトや閉開、お籾技逝がし賞人51022 置琴報賞人変in 3)中小セトや関関 、ファよ【6020】 。(るなる厄不冰賞人

の~2 4 2 □人受気材)るを閲覧を式前の2 4 2 □人受 玉みる3a、 を利るハセトや熱量、おd E 4 2 、B E 4 2 で、開閉板234は常に開口232を閉鎖し、可動部材 よっされさくを部常体される、2652ドトノリン各、お 中小セトや関関のdm33、mm33十間間、ガネ。る 专て殊多計値関関の4523 a, 223bの関関動作を終了す

のろ、おの合料が作る出動が正質人の間 0 1 ファよい d 322 (18日終了する以前に入りませるとのは、225 冰れセトや関関 、まな。(ハセトや関関の回8I) を丞 で製回8 I 多計應放開の間部気内改 d E S S 2 , s E S S S **刊閣関 、ファよぶもつるも略様でおくぐもぬる 6.2 3 1 k** へついぬ男手両哺対数、おう意状対数気持【4020】 。るを主発体熱状対数気持ブいてもよび(出険の殺対数 るよび842器出鈴王玄特) 歐重の粧技強されなび84 な器出対式が表示される。また、このとき、特定主検出器2 大量がれる差が242円人受宝券、アンチ。646差が 2 4 2 □人受宝寺で(いなおつ※001)率部い高のな ☆、お籾鼓強の多、合製ホバち1を扱いする852万数人木 の央中が粧技強がれる留勢 3.4 上に 各国 がれた 3.4 上に 4.5 で

参 3 2 図)合即の I 熱泳の敵実 、幻野吸 K サロ で 科図 厳 普、おな。るれち罹更31中野処各プリカ31銀状対数、お 動のサミてスサロで研図配普、ブンチ。されち計実ブ れる出心質が更吸るすど蒸フ。並ぶしててスタロで所図 **重普のあれるで邸帰で南側の宝荷多郷状示奏の01器示** 

82て ペラス) で行き 野処 代出 時前 る を 代出 きゃーテの 88)。 さらに、CPU56は、例えばホール管理用コ イベマに略帰示表プリ宝鑑SV製館の宝荷のG G M A A S 【0515】次いで、CPU56は、表示制御コマンド 。るもう蛸厄行実习熱同3(開

デストラン さらに、モータ38の駆動を指令する信号 ペモス)く行る合計値隔396B期回 1 トくりいびきょか 【0216】また、CPU56は、所定の条件が成立し

御基板3~に搭載されている払出制御用CPU3~1 は出法。るを代出多りくマに商陽出法を示多幾副報賞33 7 6 改基的時出法、プロ流ぶ出教賞人 > でもきぶらつか JC卡放等 d 3 2 2 , B 3 2 2 器出検玉賞人 , たりろり合か 宝盤の機断殺賞〉でも♪スメ早計出鉢の等dccc k ð [0217] そして、CPU56は、A賞玉検出器22 。(162℃でそれ) るた早310 8路回セーチを

でそれ) るも気傷が同葉女階 , (6.62 とてでそれ) サち制動を容内のもスペン、多の子。<br/>
るを健康多て<br/>
り置 送出法報プンプロスト (でに) は、 資味個数を示す払出制御コマンドに広じて球払出装

しいろよるれる計実ブいおい野処ぐトトも即吸略開対数 、パちななんの1~サのセミてを示るろってし主発など 博力え向わて野込はにアトセ、なるいてれる計実な野処 瞬間対数で野吸込情マト々、おう激活の敵実のコ、おな て創張の前集のコ、ファネンが瞬間の土以【8120】 °(†65,4

それ。それを野吸のぬれずいのさその8082~005 Sてゃそス , フリ河コ (セミヒスサロでおろ門のコ) 選 【0220】プロセス処理では、CPU56は、内部状 。るもつ更吸が内朴具の382ででそれるいは50 イーキモーロての28図、幻野域スサロでを示り88図 。るあつイーャモーロでも示る例—のムでゼロでの更吸 【0219】図33は、CPU56が実行するプロセス °tነኯቕጋ

は、ステップSSOIは移行するようにプロセスフラグ し、始動王検出報205a~205cよる検出があれ 勢玉徳蔚: (0032℃でそれ) 野吸常証【1220】 . Oracif が更成れてよの下以、ブルはお180 d 2 ~ 0 0 d 2 でで

或雨: (Ⅰ032℃で元ス) 野吸引値値的【2220】 。6 も更変多動の

0₽

毎月くたで 「 、お822器示表機勘賞人 、 し示表を ( 機 6.2.2 器示表機回熱辮、ブいない激状対数取計なるよの コ、オま。さいファおろよろれる客格でま(インセラ 【0207】ラウンドの雑結回数は、最高15回(15

基主。るで明端フィノC 31計値の数対数31次【8020】 。るを示表を透勘賞入习

で斜開多野処ぐトトの新同ろ野処がれる示び 8図、3 ot るながパシントパなパシン代人の千齢1ゃサリ 、れち人 M, RAM等の周辺回路)は、遊技機に対して電源が投 板31における遊技制御手段(CPU56およびRO

**ぐ 計多 寅 吟 讃 ひ る は 多 よ り は 人 多 号 引 出 勢 の そ ゃ ト ス** 具 。(262~~それ) るも行実今更処稅賞を行き込む の4 0 4 6 2 2 4 よ 6 2 2 2 器出鈴玉賞人切よはっさり2~ 店 302器出剱玉爈台、842器出剱王宝寺、プン介き8 御処理において、CPU56は、まず、スイッチ回路5 ・局対強。るを行実多野処邸陽対強の262~182℃。 マスを示がる E 図 、多がったる (082 てゃそス) 更吸 生すると、CPU56は、図32に示すレジスタの退避 新な女階マトを、数かして示は(GIS~IISででそ ス) 行実の野処外関係をわまろ野吸ぐトト【0000】

エ)される母発は肝智なの変化で心要なるは智報が発せられる、た CFPA野処刑鑑常異の々断ファよンJ組機制365自る・Jフ れるえ前33部内の数対逝にくそい、ラい次【0 I 2 0】 。(182ででそれ: 野処モでトス)

**多野処るで孫更多動!くぐれのをくぐれのめれるで烈主** ○。(E82でペラス) 6計多型処合を確更多動インや たのをくぐれ各のあれるを効果を機馬用家牌各の等機店 の用気件の置るれる4月間の間は対数、54次【1120】 。(288℃ぐぞス:野処~そ

店用気物類状ひもは矮店用気丸嫌うくぐそ 、 姓店用家牌 であの乱数があり、初期値用乱数として、普通図柄当り るで宝央全帯図山引るわま30 [ 器示表帯図証普 , フし よ機店用示表 。るるな(機店用玄先憩状)機店のあぶる **を宝光 仏否 仏る も 〉 を ゆ し 賞 人 V 多 彭 斠 陪 内 ○ 0 2 置 斐** 報賞人変i□ ス/ 多i 7 殊 ○ 憩 状 対 逝 立 替 ひ よ は 、 ( 媒 店 用 京 **央域1くぐそ) 凌店のめぶるを宝歩を送りくぐそ誘拗大** 最るわな3)対数で世大、残店用家件で芒科図配替、ブリ 3 楼店用宝伴、おび懇咪の誠実のコ、おな【2 I 2 0 】 。(382,482℃で元尺) 6計

ふい親状対数、お前のセミてスサロで、フノチ。るれち **行実プれる出り質や更処るもど残プで並ぶせそに**たチロ てのあれるも岡陽で南側の宝布多数対数にくそいてい点 スが設地対数、おいて時間スカロで。(882でcそス) ð 「0213】 さらに、CPU56は、プロセス処理を行 。るるな残店のあれる下宝先多面膜低の幾

02 表帝図画者、おう野吸スサロで帝図画者。(「88℃で マス)で行る野吸スサロで研図配替 , かま【り [20] 。 るれち森東31中野処各ア3

(用気呼ぶ芒酔

計数31 7 0 8 2 ででた、多の多。6 を言送多りくマヒ **邸陽示表るを示計多种図14リンドンマに略陽示表るを示** 計多( 。るするるれる示表変而が字機の [ 9 ] ~ [ I ] 、おろそののではおける内積の変動(この例では、 示表変厄の仓がるを吠辟る激光率郵、ブリ校3108 建基 邸帰示表 、おい的科具。そ行多晦陽のあれるを成婚多態 20

移318032ででそれ、331過野体間映慮変の慮変所 図:(7088℃ ゼネス) 野処中値変所図【8220】 。るも更変を動のせそてスサロてみるよるも

てひろよるも計移の0032ででそれ、影の子。各も宝 場る(サミて変動中やサミて変動高るも近針) サミて皓 内るを関ぶ激状率新、パま。るを言ੱ送を7くマに暗峙示 表るで示計を山郭の健変の所図、ブリ校3108 財基間帰 示表: (8032でででス) 野域山南桥図【0820】

各。各本で図明端を示す機能各、おり4になる。各 。るで更変を配のせそで<br />
ため口

図配着)るで宝光へ否へるから出発多のどうでくるご所 02 図画者るわまの0【器示表研図画者: 3.4をくそ(1) 。されち用動ふるよの下以、幻機店

(用宝丸燐インやそ) るを宝丸多燐イ くやそ誘辮大量をわまり対難で芒大:8~をくそ(2)

そ)るで宝光を動映時のるムをくそ:8 Aをくそ(8)

そ) るも玄水多動膜(はのるみやくそ: 8 みやくそ(4) (用宝斑動膜(はるムやく

共多總状対数の多下郊対数で世大:0ⅠAをくそ(る) (用気免動既低るムやく

るで宝夾多動関所の0「Aをくそ: [ [ Aをくそ(8) (用宝光憩状) るを家

イコぞい用を囲跡の引、ブでもブ門一を囲跡をそりろの 機品るも関3)研図配普の代以機品の(8) ~(I) 瑞土 、ころもれるも高多果校技数、おな。さるて渡店用動陳氏 おいれま機店用示表が機店の代以るれる、Cもで機店用家 はなるれろ、されなも。さ行る(草瓜I) てゃてイくや **れのをくぐれのあれるを加土を用家労漁状の(3) むよ** お残店用宝光送引くでその(2)、残店用宝伴が芒林図 配着の(I) なるるでは、CPU56は、(I)の普通 は3)型域衛陽技強が代表示が2を図、なな【2620】 (用家夾動膊酥01 ムをくそ)

我体機1くやき誘維大量がれる示が励立、36を度─30 前れたち元が励さのるを図め前のさんをくられたち出前 、さけなす。るれち宝歩ンがれずいのうくぐそる 「~8 、プリム機引くたそ誘拗大量、おう駆派の敵実のコ、コン るまで示すると図。るもで図明端を示す附一の科関の **占動気件の依式をで気好を換すべやで誘拗大量と(6** A をいそ)雄店用宝光楼りてやそ、お138図【8820】 825B

> 。るを更変多動のセミヒスサロヒスクそよるを行 01 みスン(懇別技選会科) 技逝で世大、終過発期開版育王家 群、ブリシ型発のでど大、おJSI合製がであな賞人V。る 032てでそれ) 野吸宝性熱状対強宝材【8220】 02に移行するようにプロセスフラグの値を変更する。 220を閉鎖するための処理を行った後、ステップ55 園建報賞人変厄 、うるを風野や間膜効開の022置装紙 貫入変币、ブンチ。6行多(玄蟾るよぶてェウイてい) **宝媛の間関校存正宝券 、31455で計多略時のなかる** を放開多022置装板賞人変向わ3機回家飛びよは間膜

00224~それ) 野域前沿間インセモ【り220】 。さも更変を動のせそてスサロで

かった場合には、ステップSSOOに移行するように

**は賞人∨。るで更変多動のそそへスセロで316よるを行** 

移ぶ6032ででデス 、い行う選曲の遺状率新るも関ぶ

る。その後、ステップSSO4に移行するようにプロセ す ラガンド 関始を指示するためのコマンドを送信す

。るも更変多動のせそCA

。さも更変を動のせそにたか ロてのそよるも行移のるのるとででそれ、おの合脚かれ る出鉄水玉賞人の働0 I プァよごJ d d 2 S S L g 島 2 S S B 出勢王寛人37前以るを下谿回8「なれてトや閑開 、おが 否かを監視する。関閉サイカルが18回終了するか、ま αがれる出鉄は正賞人の圖0Iプc よがd 8 2 2 g , в 8 2.2器出対正賞人、おおま、本下終回8.1 やれせトや関 開: (4038てゃそれ) 野処中斗くぐそ【3220】

からよるも行移かるののとでででた、き合即をいてし重 Ji楼さくぐそ熱琳大量、Jiま 。るを更変多動のせそにス かなければ、ステップ、S506に移行するようにプロセ 資人V。るを更変多動のV ∈ C ス Φ ロ て コ δ 1 る を 計移 31E03Sてベラス制作も放賞人V 、J 監郵 4否 4から 聶: (3032℃セネス) 野処短勤賞人V【8220】

**冒ੱ込ますべいにのめれるで示計を「殊懲状対数取計 、ブ** りだがる € 効基 御情で くそ ◆ 0 8 放基 御 陽 示表: ( 8 032にでそれ)野吸下辨謝状対逝気計【8220】 。るれち宝媛体感状いなし賞人体抵対強が減弱事事が 的てエウイてい、おうりいくで発展、されむす。るも財 無きてし賞人や和技趣 5/ 製節 京寺 、フィルお5/1 イくできぬ 最、幻矧手廊陽対強、バま。るを幻惑状いがなし覚人な 表表載50歳弱宝寺、多022置装和賞人変i ,フcよ50 速断しないな虚に維持する(上部に退避したまま)こと **副漿店各式はち示314 6 図 、式ま 。&いすれるい用き等 の4 多亢前のS4S□人受宝幇をdE42 ,BE4S村陪値** □ 、おえ内。るせる小変多登構借内の022置装粒賞人 変に、お段手略時表逝、おう(インやその回るを定一ぶ 竣刊へむで誘辮大量) りくけで終量、おむ【7220】 。 るも更変多動のせそてスサロで

°&&76 「お(「+動大量) 、おう懇伴の敵実のコ、はな。(と ISSででそれ) も見び0含動すべたれ 、(SISSで ペラス) おい合果るいファない土以(I+動大量) 校動 ひをくさたのめれるを無重をるんをくら。(11227 ペモス) るも I + 多動のをくたたのあれるも効型を (機 店用玄夾燈7くぐそ) るんをくそ、パま【9820】 るもお撚を飛更の前後、ブルトしょるが動機をいてれる 科界3/段手動語を一下確変、3/合脚式3 田敷な斜地代置 よい分子ップRAMに形成される。 遊技制御手段は、 マてで八動膜所用るムをくで、、六ま。される気の動容界 い胡人牧脈雷おい合根オインオと存みが動のるムダくで JAMA Aてでてもでい、、なるれる科別マワセンが即順は 用ムやくそはしと「フしる動態はおいり強一おいきとかれ 多人投心配雷 3.熱大逝、おな。 るれち更変心動既所のを くてれのあれるで気型をさんをくだ、ブ点制のコ、ブァ よ。(7022てビデス) るで宝鵄31をしたたのめれる

。それも気得り MAAででてもいめってでい動膜成用 3ムをくそ、ゴ ま。るれる見び動容界の部人致歌雷却の合製がいてれ おるが、バックアップRAMにランダム6の値が保存さ ち宝鑑のもくたたのめがるも就出るるムやくだが [0] てしる面膜はひきとかれる人姓や敵害の数技強、お な。るれち更変は動膜低のをくぐれのめれるも効型を3 08 ムをくそ、ブ点部のコ、ファよ。(TISSででそれ) るも宝鑑34くたたのめかるも効型を84をくそ、多 動みれる出転、(8128ででそれ)があるもろをも存 界3/4 C で バ 動 関 成 日 る ム を く く フ し く 動 財 成 体 る 動 力 水 な る出献、プレチ。るを代入を動すくでたのをくたたの後 オるも<u>放</u>业を8.4をしき、きなおも。(81.98でゃそ ス) さを出曲多(漢店用気免動既成 3 ムやくそ) 6 ムや くそ、おの合根オイプン茂一。るあつままのそれ前1く 々た、別れわないプン度─。(♪122ででそれ)るも は用るムをくらプレム動機体体動のをくせれのあれるす 【0240】そして、CPU56は、ランダム6を生成

出析多(漢店用宝英面膜(1012をくそ) 112をくそ たりント値はそのままである。一致していた場合には、 、われわないてし定一。(1228~~それ)るも臨新 休否は式し渡ーと動るいてれる存果のマイベバ動期低用 【0545】を0て、CPU56は、ランダム10を生 25. **45.** 5. 「お」(「+動大量)、おう類派の効実のコ、みな。(6 222とででそれ) を見び0多動すべたた , (2222

てゃそん) おの合製をいてっなの上以([+動大量)な 04

動のをくされのあれるを放出る012をくそ。(122 2てゃそれ) るも [ + 季動のやくたれのめれるも熟土季

(機店用気形態状) 0 [ ムをくそ , 3) 6 5 [ [ 4 2 0 ]

高ファギスパルドインできる熱奇賊の苦技逝、プのるれち 氏辞や茂〉いフえ替3/4 金技者には告せば、お3/6 はよっけ 01 多元表なさよのう。いよるてしづくよるを示表を渡りく やそ誘拗大量の前的関イくやその前ものようくやそ終量 式し 点校 37 7 く ウ そ 誘 雄大 最 、 し 示 表 多 竣 វ え 曽 か 渡 57 前台間のインやそ各、し示表を嫌いな心をひよ機1くや そ誘拗大量式れち宝歩、おい前針関い対逝で半大、ゴミ 。いるようし示表多果辞気切らなっている出演の等示表 変厄の研図、ないよきてし示表されの果詰宝労、合製の う。される示表でいなのは225年で表表回熱難びよな8 S 2 器示表機副賞人 、Ji 備るれち 始開が 敖逝 (7 世大 、知 え例、割竣7 くりそ誘拗大量がれち宝丸【4620】

。るあつ銀状いを今し賞人Vきひよ憩状率新 型、ブィンはこりを大が終了して発心を強の些大、おし、当代率新中 。るあう想状いを今し賞人Vゟひよ憩状率新中 , ブいは スト多式して殊な対数の世大、よりと意状率新高。 るもで図 **即端を示多例─の刹関の 3 謝状率新 3 動の(竣店用** 取免 源状)0[4をくされた出曲、約8を図【8820】 。6者ではよコクいてある。

+動大量)、対方激状の効実のコ、はな。(6022℃ ペテス) \*晃516 多動 インセカ 、(2028 ℃ペテス) おろら思るいファホスル上以(【+動大量) 放動のをくや たのめれるで加土を己んをくさ。(1022℃ぐそ尺) るも [ + 多動の々く たれのめれるも 加土 多(機店用家 において、CPU56は、ランダム5(普通図柄当り判 **野吸帯更透店用宝件。6あフィーャモーロてを示多例一** の(882てペラス)野処禘更竣店用宝牌るれち計実プ 野吸略陽対強が作る示いるを図 おりてを図【7820】 。るれる示秀が果諸玄央るベファ行多出演の等示表変厄 の 内図、 おう 意味の 前実の 5、 ない よよう し 示表 ふ その 果諸宝舟、合脚の子。るあつ兩図のめれるを庇弉多果詩 宝夾の憩状対難の剣下琳対戦で世大 、おりる神図吠蜂がれ る示いるを図。るれる成酔い客鼓数でい用を622,8 戎、なな。るで宝夾多瀬状麸蟞の釣下郊麸蟞の半大、ア し対は多も(II~0) 動気性をいてれる嫌品が酬去 のるを図る前出曲されなす、ブルプとよろが関ばれる示 これると図る面出前、し出曲を012をんで、プルからに

多IIAやくそ、されなも。(8222とでゃそス)るも oz も放业をさみやくそ、多動パれち出離、(8022とでゃ そス) 3/きょうとを存むのママセルが動態所用さんをくそ フしも動映成を動される出桩、フしチ。&を代入を動す くされのもくされのめれるも就主を8ムをくさ、さけむ す。(3028℃ (それ) るも出曲多(竣店用宝光動棋 成るムヤンぞ)8ムヤンぞ、まじが合根オバリブリ産ー。& あつままの子が面インでは、だけやないてし姪一。(4 052とででそれ) るで臨難心否やオン定一と前をいて れる事型のマイセバ動膜の用るAをCそプリム動態のな 動のもくせたのめれるも板土をさんをくそ【8820】 1) (#1 4 C# 2°

SS置装示表変に、別れれなう想状変新【8420】 。&を下鉢を野処下鉢山駒桥図 、(8882でゼデス) J罹更スシ動式し☆校スシ(0032℃でそれ)野処常証多 45CX40C, 513 , (E838C. 7X) 641 でサリタセミC率が込むよせこC率新中、セミC変新 高、おれるい想状変新。(2862てペラス) るも窓部 ☆否へのるあろり(競別率新型おびま製力率新中、競別率

マス) 野吸常面をひそてスサロで、ブンチ。(6882 てゃそろ) るもイセサタセミ (変) 高 はいい合意からあ う耐図変動高。(4862てでそれ) るを臨勤心否心が cもつ (限参88図、L7) おみましを)、L1) おつ 例の3) 科図変新高な种図山酔みれる示表31622,8

6)、 网柄停止終了処理を終了する。 83SCゃそス) し帯更の動力し加校の(0038℃。

モス) J葆更3/動式J杰校3/(008Sででそれ) 野吸 常面をセミてスサロで、ブンチ。(T832でで元X) るも1にするセミて変動中、(7832とにそれ) おひ 合製力であつ研図変動中心研図孔引、力ま【0p20】

前パン点校の(008とてペテス) 野吸常亜多せそてス 406 '277 ° (68986 44) 841 6434 そて変新型、おい合製式である(研図いなもつ研図変新 ふざ586)、図柄停止終了処理を終了する。

ろもち小変き武楙昭内の022置装杖道人変に、お憩 大率郵高、JA刷実、プムでもより果辞宝券の<u>段</u>手宝央憩 決 、お、到手・部は対数 、 こり多ぶし 「殊い想状対数宝計 、 フ しろ。るも宝夾体のるもと意外率新型、休のるもら意 状率新中、��のるもる憩状率新高、ブルでもきが(0 I ムやくで) 遊店の宝雨、体( 。るいフれち歴実でてェウ

イマくおろの名人具) 投手気光源状る あつ 指一の 投手 瞬帰

| 「0251 | 以上のように、この表面の形態では、遊技

| 殊る野吸下殊山南兩図 、(3832℃でそれ) J 葆夏31

745°

。さるフ想状さいてれちイッサがせそて変新型、お 中、お郷状率新中、ひあう郷状るいろれちイッサがせそ て変郵高、払激状率郵高、おな。るれち展実ファよびら 状のパラパチ。るを幻想状率新型おれま選状率新中、題

図るわまの622、822置装示表変向るゆひして鉢体 ፠፲ጟ፞፞፞፟፞ፚ<sub>፝</sub> お (熱状率新型おれま熱状率新中、熱状率新高) 熱状変

新、56を主体熱状対数気持づ次、ブンチ【2620】

状対数気持いは降るも関が悪状率新 、ののさるれな行う るよい段手宝央想状、ながれ合計な成時るよい値変の耐 激状対数気材、おう憩讯の敵実のコ、おな【8620】

& 本式を表明端を(小変の動構的内)小変の感状の022 02 翻高) 敷状変誦が現 , ゔぃぇ。(I882~ゃそ ) そ 置装板賃人変により切り駆状すべかのせそて変新型もよ おせて文新中、せてて交新高、お[4図[420] 。いよきてしてもよる.れた行うが前の意

**行る野処るを割送るすぐマに宝新を示る山尊値変の** 
所図 において、CPU56は、表示制御基板80に対して、 (野域るせる山南多出演るよう健変帝図のあれるで成群 多部状対数の数下殊対数で世大) 野吸山引林図 。るもう イーチモーロCを示多例―の(野吸上専務図)803S てででたるわまの理吸スサロで、おり4図【7420】 1)は、ランダム10の場合と同様に12である。 +動大量) 、おむ 。(06.22とてゃそれ) を晃び0き

動すくたみ、(86222ででス) おみ合格をいてっな Ob 54上以(I+動大量)や前のをくぐたのめれるを効土を I I Aをくさ。(76227とそれ) るも I + 含動のを ぐたたのめ式るを放出る(機店用玄光動限時0 [ ムやく [0546] FLT, CPU5611, 55411 (5

。 る あ フ も し り る あ る よ し り ひ あ る よ く

見310多動イベウは、(3628てゃぞれ) おぶ合脚る いてっない上以(【+動大量)な動のをくぐたのあれる

で加土3018くと、(1828~ぐそス)るも1+冬

動のをくぐたのめれるも気主き(竣店用宝舟動棋店84

お (最大値+1) は、ランダム5の場合と同様に14

な。(6628ででそれ)を見び6多動インウは、(3

E S S でででス) おり合根をいて c おりは( [+動大

最) 放動のをくぐたのめおるを放出を8 Aをくそ。(I

€ 22てぐそス)るも [+多面のをくけれのめれるも効

丑多(茂店用宝舟動膜(GAをくそ) 8 Aをくそ 、お 3

【0244】初期値用乱数更新処理において、CPU5

あつイーャモーロにを示る例―の野処帝更強店用動膜 (8 I Sででそれ) るれち計実し亟で繰り (間部の)

まるも主発心心階マトを2m2の回次、影下郊野処邸帰

野吸岡陽技強が作る示いるを図、おりを図【をも20】 。るを誘躍を罹更の動機、ブルンともごり動機をい

ブれち結果が段手部語を一予値変、ぶ合果がし刊歌は鈴

,(382てゃそん)ひよちちるれち行実回ITいおひ

°\$45

۰ç

[0542] \$\footnote Cbn261\$' \rightarrow 30 \ \rightarrow 30

で、メオ) ([+動大量) 、ホホタピ。(8622℃ででス)を

J予。るす代人多動インやれのをいかれのめれるす効型

憩状い同ろ憩状常証多態状率新型、なるあつ憩状いがな J賞人 V ð C 払態状変新中払態状常重 、C & ケ窓状 いぶ

99

で想派の敵実の3、316431の開端31上以【6620】 よってV入賞しがたい状態にするようにしてもよい。 ひっていまって、さらに関口232も制御することに (A) I 4図、>なごむぶるでるで略鳴多d 8 4 2 , B カンド数に対応したラウンドにおいて、可動部科243 そ誘辮大量、やぶし示例をよっるも3/競状いがなし貫入 Vファよびよる(ままなし) 選びび第二) るを特殊が置か tatal 問題を表前の242口人受事替を4542, a 5 4.2 村陪健市、合斟の多、ブリ予。されち宝鑑3/親状り がなし賞人Vは022置装取賞人変に、プいまが引くた それし点状の(1くたそかれも宝典プロでもより84枚 くそ)様子くぐそ誘辮大量をわまい憩状対数の芒大、スパ そよれし近上、おう懲汛の献実のコ、オま【8620】 °1792721

逝、うのるおぶんをくそめ前期低のをくぐれのあれるを **する重変が動態時のをくぐれのめれるで加里を0**ⅠA をくられよみるよをくそ、さんをくそ、プリでもよが 1周まると、初期値用制数が抽出され、初期値用制数の **込動すべたれのをくたれのめれるも効型を(0IAをく** インウモ 、(るムヤンモ) 透出用宝牌(2世科図画書 、知

る。ランダム5、ランダム6もよびランダム10を生成

大数、おう意味の就実のコ、ぶるよの土以【0850】 ふるで類困む よっるも成分を代くミトをるも主発が面の0 I ムをくそ 式U点J)機るを4.鎖状率郵高J)教下外技班で当大、代く ミト々るも主発体前の8ムやくそれび点が幾十くやそ赫 **株大量いき大き量、といミトをるを主発が動のさるをい** そるを姪一31動気性の半の科図配替、ブルプとよろは長計 のろ、きてしょれきで断節を导言される代出るや I を効 基主おえ例ファよぶ段手の等るを獲替を承基五不ぶ缴数

**顕土るを宝央多楼回頭土静琳のすくぐそるわまり思状**获 載でど大ブいでもよびも(動家性の用家先嫌うくせそれ) ▽懇沢の敵実の3)動気件の気荷ろ動機がれる出断、J きぶ立気抖条の宝雨、5(をくたれのあれるを放出をる ムやくでおう競派の効実の3) 段手様更前機用気件の用 れるい用い気性の残回列土誘拗のうくぐそるわない部状 を載ふ(同己「おう憩派の敵実のつ) 機回別上誘継を引 くやその宝雨、ブルでもより立気の神条誘蛛るよびもつ るで質人がSPS口人受気符のアンろ刺蛸気砕が税対強 、プィプホンス激状対薬宝詩 、プc &フ 鉛に晒帰ンス激状対薬 宝寺るなる쇼(るれち 新野 フ ハ セト ヤ 関関 ○ 回 8 I 、 対 **| 5 週紙の敵実のコ)ドくやその幾回宝雨な体育ファムス** 

手禘更前竣用宝牌の用竣回頭上、え勘多占段手宝光竣回 02 体し賞人Vゟひよ憩状常重いなおで(鶏状率新辺おバま 想为军部中、想为军部局) 想为逐新、划想为军部烈、六 ま。るいてれる示例は合即るを放開やい回 「」ない! ト図、体るもならこるを放開回機数ブン点が出験の器出 新五ر世計、より022置装粒買人変に、みな【7220】

> 。るなコシ激状ィメスセムし賞人V 円煙は、さてなで、るなが悪状いがなし質人が242□ 3 b に受いするもれないので、比較的遊技球が特定受人 10 42、48を42村陪使市プバルは11代の243日人受家 **幇い坂杖逝、フc新。(ままふし逝返3)暗土) るれち**詩 琳5/置かいなし視點を亢前の2 4 2 口人受事特は d E 4 ス , & & 4 名材電値 戸、オま 。 るなの激光酸間間膜 宝荷 **ぬると2口間ファよい3と23トトレリン、J放開間膜**玄 R223b) がソレノイド224a, 224bによって所 . B E S S H 関関おび内科具) O S S 置装短貨人変厄フ ひふび出険の我対難るよび器出鈴玉婕龄、なび歌状率新 型、コメイスを示す(∀) [♪図。6あで図せくミトもの

> > SS

新中 、ðð��‐このこ 、ひ並が間頗るれるめ上が受ぶd のE をよる、B E ト 2 村陪樋下フィルはコル大前の2 ト 2 口入受 **気持体权対強、プロが。されち討難体激状の多、間膜**気 而、(れち値移3)式下るか式土) れち値移3/置立るを袖 越多式雨の243口人受函部, 放d 642, a 643付 いでやし賞人Vゟでよ意状率輸到、幻意状率新中、ブの い。ラフト、北合島の意外率新西や間映気液るある。意外護関 。るない熱状な蛸厄や賞人VSのるれまむの巻のりょく され、回転ドラム236の回転動作は「伴って上部転動板 1ē処ファよい大磁のo982~B982正磁入水をいま 、おう意状験関の26口開。いみファ北合製の意状率新 型、お間膜宝液るあい意状験閣、J 込み 。 るない意状態 関間胰虫液は3583日関ファよる38831トノコン 、J 放開間限立而ファよい 224 bによってみてイトくしい欲 (d & 2 2 3 a 8 2 2 2 1 限開 は 1 3 2 3 a 1 2 2 3 b 1 賞人変厄ブン河ぶ出勢の粒対数るよぶ器出勢王値鈴、お 【0255】図41(B)に示すように、中確率状態で

。るな3)懇状いを今し賞人Vもひよ憩 状率新中、幻想状率新高、きるなもろのコ、アc 新。る しノイド245によって、可動部材243a,243b で、、パま。るない意状いをやし貫入Vさのよ意状率新中 、北郎状率郵高、ブc 並。い見ファ北合財の恵状率新中 、お間膜玄液るあい熱状験閣。るない激状態間間膜玄液 ☆6と2口開フcよ5/6と3 f たよって開口2 3 5 が 放開間膜宝荷ファよ5Jd 4 2 2 4 b 4 2 2 4 ト く し い ひ (d & S S , s & S S S 升隅開北) S)( (d & S S S ) 賞人変厄フン丸3)出勢の根対強るよ3)器出勢玉値詩、お 【0256】図41(C)に示すように、高確率状態で ۰ç 

なりもなるようは一個的とこれを出めてでよるからのと るキャトス口値的れるサを頑回ファよこ) 1.2.8 4計画的な 粧<u>対</u>逝。るいフれる ty 強体 さる る 置 基 報 質 人 変 向 る す 斉 多 I C C 対関関のめ式る を 対開る□算人大る を 対讯 3 吋 労値電限券、おび陪下の「23神通回をわまびの23置 装賞人値台、れるい窓は「23本清回おりの28選装賞 人値は、はな。るれち乾糯スメヒょる減弱常逝、お淑敖逝 かった場合には、誘導部付542の凹部に停留していた プ研図れでおな(研図14) 果結示表変向の研図室件る 01 もある。Cを計等の(選状対数で) 大) 憩状対強気材いを今し賞人が殺対数フし効開心口賞 人大、ふるで。るれる出勢ファねるりょり28キャトス口 雌はお叔女強の子 、ろるを賞人ひ( 例一の慰爵應的) □ **値供るいよびの20間装賞人値的が根技班ブルは3週次** 上条体計 、し上条体体計しるれるは検力でより1844と サンサル 特別装置作動領域の44に続けられているセンサ 表置によって特別装置作動領域544に誘導される。そ 草糖は根技強式いてし留領33階凹の245特階藝糖、J

**勢ファよフォょ I 己 己モットスインやなお取技逝式し賞人** 37口賞人大フィルおろり中懇状技趣宝辞、ガま【7820】 。るも太閤が口賞人大くるも駈発や間部放閥もてくなし 間部効開ブいて30効開各、はな。るを下鉢は激光対逝 宝寺し滅消却呼酔の多、お30合脚され合計は(賞人の報 **対強の~対剤値計置装限符) 引値の依式 6 せ 8 生 発 全 性** 新恵再 , 54中誘蛛の味齢 , しおよ。 るを誘蛛でまるを賞 人や淑女強の(間3143年間847年間の蔵実の3) 勘宝荷30口値台、お16番。るを放開な口貫人大、寛再 、0. 見るいてし誘蛛な時齢、プレチ。るも気間が口賞人 大ちるを賞人の口賞人大が积麸藪の (断01割え附) 勘 宝荷、ブムはび(すべやそ各)間膜効関各【8820】

基主。るを即説プいてい計値の数技趣が次【6820】 置に相当する。 装賞人変に限替な鉛に小変い懇状な体育ファムが告対数

、なるるる置装和賞人変に、おう歌派の敵実のコ、バネ

。いよきてJ 316 もるす示表変厄で置装示表変厄のC I 

CPU56およびROM54, RAM55等の周辺回路 、おろ、実施の形態1,2の場合と同様には、またがには、

これる置張が等効基限雷るで育多融雷ででてんでいびよ

は、遊技制御基板(主基板)、払出制御基板、ランプ制

面裏の鑆対逝、よう憩派の畝実のコ、おな【8820】

う。される出いなてして品景が教技強の圏気液、よるれ

ち出鉢や粒麸動び BI ささキャトスインやは 。されち出

。るを効関却口質人大くるな习機宝液体

「□の科図式件るtiはJiSI3置装示表変に【3320】 。 るける出いなすし る品最 体規 **対型の勘**気視、よるれる出剣や粒対数か 8 2 € 3 € でト

る処理が、そのプログラムは相当する。 tiもこり2028ででそれの計。される更実プムそゼロで あず行実なるといろのもよびCPU56が実行する 実のコ 、お妈手宝先幾回別土 、なな 。 るきかならこる す 3) 護困をよるを支持され席代繳対逝をたくミトをるす 定一の面の宝布や面残るれるい用のあれるを宝光を送げ てやそるわは3週状対斑宝材るを略鳴31(憩状な所育フ c 3 31 告対逝) 激状の [ 菓多置装賞人変向限替 ,果詩の 、ミトをるを定一ろ動家件の宝布体動機をれち確更で段

。それるい付取び銀匠湖春ぶ本本の熱技強にくそい , ね, 1 0 6 盤枝塾 。 6 あ 7 図面五 3 4 6 6 面 五 多 1 0 2 1 は, 盤大強の数大強にくそい軒8第13424図。各もづはよこ るも用面も 3. 数式型にくそい 重を 策切 明 条本 、 や 式 し 3. 、おげつ懇叭の敵実各の話土 . と懇叭の畝実【1820】

なるで世るるで「殊体示表変厄で想状式し山身体でくそ (力することによって可変表示がなされる。そして、○の 点の直交体でくそのでく、ひなる体でくそのでくみは体 部は (×3○ , お7例の3) 帝図314今45 , 太10 1 8 器示表兩図重普、おう懲派の誠実のこ。それち計開始示 表変にされない0 [ 3器示表所図重普 , 3 されち出勢で 。されち苅開��口賞人大 OS BIICモットスイーヤし断重多IICイーヤが叔対逝 。るうプロ不多708製顔鼓数、影の多、C人ひ1708 対筋対数プで重き間のよる0 8 パーリ内 5 1 0 8 パーリ 代、お、私数数数3.7.1.5.根発る公置装梯条粒は【2020】

**京伴るわまい2Ⅰ 8置装示表変厄 , オま 。るいフれも**む るも出験を税技越れし過剰を1484~や研図気は値針 置装眠群、おろん暗の [ 4 6 4 ~ 7 种図 5 阵値 計置装眠 詩、はな。る偽計多示表変币的所図宝牌フィJはJ12 [ B 置表限許されまかり4.3階夢磊、多の子。各人から6.3 材部代表 、スタきょうられる出勢である68キャトス口 05 賞人気替払税対数オン賞人3.2 6 己口賞人気替や板技対数 。るない激状式し放開体263口賞人玄群プし値引体0 33日となった場合には、普通電動役物55

ス□買人玉計ひま83 [ G , B G [ G , B 4 [ G , β £ I 己キベトス□貫人 。るれる出鉢か B 1 C , B 2 I る , 8 4 1 3 , 8 5 1 3 モットス□賞人 , 15 5 15 5 , 15 板技ᇓ水∪賞人516 ,616 ,416 ,818□

夏人重晋、ブルはおりて07は一部大部、おな【4820】

02 主発やびどろるもで科図でどな(科図上科)果結示表変

**쀩辟散値斜、辟散の芒大るれる給払31をーェコンに用野** 音ルーホがえ例、お別手商制対数、3335。(8552

モットス口賞人、北段手略時去逝、ブンチ【8720】

。([468ででたべ)るえきひをしず各

立気体科条の玄荷、おり段手畸制対数、パま【 7720】

S340)。 さらに、各モータの駆動を指令する信号を

てゃそス)をも代出を合計値疎ぶりトしくいいぎょぶし °(68884 

亜普の代以後店の(8)~(Ⅰ)語土 、51巻オる巻高多 O2 てゃそス:野処畸鳴すくマロ)そ行を野処をを冒送をす 果校対数、おな。るあう残店用動牌低払オ業残店用示表 おす。そ行多(貧成1)ででアインやれのをくぐれのあ 式るで<u>放</u>业 ◆ 機品用 宝 性 で 世 所 図 宝 性 の ( 5 ) ℧ よ よ 機 店用玄先竣斗くぐその(2)、竣店用玄伴で芒酢図配普 の(1) 、お毀手闡帰技趣、おうと662ででそろわ はび野域略博教塾がれる示びを4回、はな【1820】 (用宝光動脾味 2 1 ムやくそ)

るで宝光を副既成の2「Aやくそ:8「Aやくそ(8)

を宝光多(当)でよる3)科図宝牌:2 [ Aをくそ( 8)

そ)るで宝光を動機所のるムヤンモ: 8 ムヤンモ(4)

そ)るも宝丸多動関所のるムやくそ:8 4をくそ(E)

共多機回誘燃ドングでの割出発体謝: 8 ムをくで(2)

**重普)るで宝夾体否体るせる主発さり半ったくもの科図** 

各。るもつ図明端で示す機能各、お144図(0820)

J ろりく よる れる 行実 ブ いは い 里吸 く ト ト お 里 吸 畸 帰 技 強 、パちななんの1でものとことを示すろうがしま発がし

**博乳え例むつ野処公階マトを、沈るいフれち行実が野処** 南陽技強で野処公鳴マトを、おう憩泳の敵実のコ、おな

は、遊技制御処理は2ms毎に起動されることになる。 予慰洗の敵実のコ、プペよが略陽の土以【8 7 2 0】

,(pbmmでん)るを宝鵄の懇状に稽仏階 ,(m

うな出制御コマンドに広じて球払出装置を駆動する。そ

板に搭載されている払出制御用CPUは、貸球個数を示

基南浦出址。るを代出多りてマロ南浦出址を示る機関級 賞3) | | 遺転時間出法 、アンカス) 出勢賞人 > でもきぶらっか

Jン本放等&IBBキャトスインセセ , BBIB, BB

I る , B 4 I 3 , B E I 3モベトス口賞人 , なりろり竹科具

。(2488℃でそれ)るを計実多更吸収費を計るさな 京媛の機勘税置>たろき34号割出鉄の等 8 [ 6 6 € € ト

462てでそれ) せる駅敷を容内のせんでし、影の

(用気免動膜(は 8 ムやく

(用気光動機(ほんなく)

(用宝牌の芒酔図

°(12792

(用宝戎竣1くむそ) る t宝

ま数は、以下のように使用される。

ぐマに職場示表、お段手職場表数、つい次【8 7 2 0】 。さるで銷値計実の耕同3(照巻82

316図、よるなおりパグリトパぬれグリ代人の千齢1ゃせ 板における遊技制御手段(CPUおよびROM, RAM

熟状のるれ子、J tt 人 多号 計出 めのモットスの 等 β I B るキャトスインやな、BSE3キャトス口賞人宝詩、B る「c , s c l c , s b l c , s c l c チャトス口賞 スインウセ , B B I B , B B I B , B B I B , B B I B , B B I B , B B I B , B B I B , B B I B は対数 。 S を訂実多野処略陽敖強の2462~1662ででそれ を示3164図、影式で計多(0162℃でそれ)野処籤 虱のをスでしず示516 4図 、お別手商制裁数、56を主 発体払階マト々、影式して完体(318~118℃でそ ス) 竹実の野処が関係るわおの野処ぐトト【0720】 。るも於開冬野処ぐトトの耕同と野処かれる示

機品用気呼各るれるい用るが輸送数 、スパ次【2720】 。(2882てでそれ: )型ペーさ エ) るれるサ発や財容ならな要心でいふり果然の多、オ

CtivA更処間総常異の々動ファよい組織間によって種をいて

れるえかい部内の数対数にくそい、プロ次【I720】

。(「EESてゃぞス:野吸モゃトス) 6計を取衅

の構図気件されまる12 [ 2置装示表変に , ブリム機店用 示表 、切び懲汛の敵実のコ、おな。(己EE呂、4LEE 2てでそれ) そ行多野吸るを確更多動すべたれのをくた たのめがるを効型を竣店用前膜ばひよは竣店用示表 、34 るち、お矧手邸帰茨颋。(6662てゃそれ)で計多野 02 吸るで罹患を動すくされのをくされ各のあれるを加土を

フれち出び選が理域をすど嬉ってがコケモにたサロでの **あれる す暗陽 7 南側 0 宝 雨 4 数 対 逝 に く そ バ フ じ 点 い 遠** 状対数 、却了略陽スサロて。(8882ででそれ)で計 多型処スサロて、お段手略陽表数、Jids【4720】 。るる、体機店のあれるで気好多動膜味の機店用気件でど **内図配音 、ブリム機店用面膜は 。さあな(機店用宝牌で** 05 芒兩國宝岬)機店のあれるで宝券がでおして出るよぶ **兩図玄咩ひよは、(淺店用玄共竣1くぐそ)竣店の仓**よ るで宝光多楼回読琳7 くぐその憩沈対逝宝寺、隣店用宝 。るあな等機店のあれるも玄邦多科図山朝

**やでて尽す口で帝図画普、ブンチ。&れち計実フれち出** あれる を 断げ つ 昇削 の 宝 雨 多 憩 状 示 表 の り Ⅰ 己 置 装 示 表 **林図証普 、おう野処スサロで林図証普。(7mmとて**。 。される罹更30中野処各プリ流50 憩状対逝、幻動のせそてスサロで、ブノチ。るれち行実

図) 合製の「懇泳の誠実」、お野吸スサロで研図配着、は な。るれち帝更30中野処各つじふ30激壮技逝、お前の

ぐマに略帰示表プリ宝鑑30製剤の宝荷の33MA A S 3 1

**ゔ謝沢の献実のコ ,おな 。( € 0 € 2 ℃ ビデス ) を**見ぶ € 含動 インセカ 、(20€2てゃたス) おから勧をいて

た。まれれないプンダー。(40E2ででそれ)るも臨 那位否はないる一と前ろいては存むといってはいかとしている。 用るムやくそプレム動膜内が前のをくせれのあれるも気 ±多るAをくそ、お別手略陽技鉱、プし予【8820】 。 る & ひ þ [ お) ( [ + 動 大 最) , お)

そ、おろらかれてした一。それてままの子が前インや

ムをくそ, 7点部の3, プe 1。(70 E 2 で そ 天) るで宝媛31々くぐたのめがるで加土をさんやくで、多動 スrtを出計 、(3052でペネス) かきょうそを存むかい 前、プレチ。るを代人全動1~ぐたのを~ぐたんの必かる も放出を8ムをくそ、されなす。(3052てビモス) るも出帖多(僕店用家央前開成るムヤンで)8ムヤン

ち宝媛 ひゃくけんのめ かる も 加土 ふる ム やく そ は し 8 〕 てしる動映成が考しなれる人致が敵雷が激表逝、は な。るれち更変が動棋所のやくぐれのめれるを放出るる

が、ランダム5用初期値がッファもバッカアップRAM ま。される気が動存界が制入投廠電おぶ合根がいてれ 02 おるが、バッケアップRAMにランダム5の値が保存さ

を見510多動インでた 、(2162ででそれ) おりか合 製るいファない上以(I+動大量) 松動のをくぐたのめ オるも<u>放</u>业を 3 1 1 1 5 と と せん マスト る す I +多動のをくぐれのめ式るで気型を(矮店用宝先送りく でき) 84をくそ、知知手略制数 、34ま【7820】 。それる気洗ろり

そ、よりつらはよいてした。 あるてままのそお動しても み、われわないプリ度一。(トIESででそれ) るも臨 新位否のオンダー 5面をいてれる存取 ファレビル 前期所 用るムをくらプレム動膜所が動のをくぐたのめれるを効 。 る も う 9 I お) ( I + 動 大 量) 、おう想示の敵実のコ、おな。(EIERてゃそス)

ムをくそ、 プ点都のコ、ファよ。(TIESでゃそス) を加土を8.4とこと、されれた。(3162ででスス) るも出帖多(淺店用宝夾動騏吓るムをくそ) 8ムをく

ち宝鴉スタンウセのあれるで気土をるムヤンでは [0] てしる前限(はおよるれたも人)が敬事の数技動、は な。るれる更変体動限所のをくぐれのあれるを放出を8 るで宝宝がダンダンをは記載を発表であるようにと、 です 「 後を、ランダム6を生成するためのカウンダに設定する。 オホち出帖 , (8 I E S てゃそス) かきょうる セ存昇か マイベバ動膜低用 8 ムをくさ ブリュ動膜(体を動がれる出 前、プリチ。るを代入多動インやなのをくぐれのあぶる

らび、変動データ記憶手段に保持されている数値にもと は形成される。進技制御手段は、電力供給が復旧した場 た、ランダム6用初期値バッファもバッカアップRAM ま。られち晃び動夺界の胡人牧歌雷むの合根がいてホ たるが、バッケアップRAMにランダム6の値が保存さ

図柄に関する乱数等も用いられている。また、図44に

のめ、ファあで附一を囲躍るそのもの前機店各かれる示

を宝井コムコるをも研図のほど多研図宝牌上朝さればを 果諸元秀の218置装元表変に、ちるを発一づ休けない の動気件のどな動出帖、J出航金動の212をくそ、5 るも出始多級技強なし監証を「VSI~で科図宝峠値引 置装眠舒体 B I 4 3 モットスイーや研図 、おえ M 、 より 3 ま行する。すなわち、プロセス処理において、CPU5 ロ ろいまひ (35627ペラス) 野吸スサロで、次330 12の値が当り判定値と一致するか否かの判定は、CP ムをくで、おな。るれち宝夾らひどるよび种図式件、5 るも残ー317おかまる、6社前の21 ムをくそかれち プ図明端を示る附一の刹関のと動気性の置と(214枚 くそ) 機品用気件の芒酢図気件、おした図【2820】 。るきづきもつるい用き囲躍

3181、休楼回赫琳7くたそ、5をを定一35動の代以81 ひよは01、0位前の8ムやくそれれち出曲、れち宝夾 10または18に一致すると、ラウンド雑稿回数が8に 、0、砂動の8.4をくられれる出曲、おう、意味の敵実のこ 現係の一例を示す説明図である。図46に示すように、 のも動気性のあれるも気好を幾回誘蛛インやそろ(84) やべそ)遠店用家先竣りべたそ、お104図【8820】

なはろウンド継続回数を8とするように、当りとなった 合能がったよりとで新図11の代以れる、しょる13次 回誘蛛1~(たこ)合製の「ГГ」、体科図上専制を例、ブ J36~0多椭図るれる示表変両プいよび2[2置装 示表変に、ゴま。るれる虱で繋む( 苅開の□賞人大) ⅰ された場合にも消滅する。権利が消滅するまで、ラウン るする主発を時謝関再、33中熱蛛の時勤、みま。るを下 然わ感状対数気計し動削らるも質人は抵対数の間 8 [ お) を質人が栽技強の間 8 「37口値鈴、おJi所齢、おJ 37合製オ れち宝央51 8 I や竣回誘燃 7 くぐ 、 バま 。 る を誘燃 5 まるを賞人や殺技数の圏837口値は、お呼番、おりろ合思 される気形が8枚機回熱難すぐやそ、みな【1820】 。それち宝舟

。るを誘燃を確更の動機、ブルで OZ cなび上以(I+動大量)は動のをくぐたの低れるを効 丑多さAをくそ。(IOESでぐそれ) るも I+含動の をくけれのあれるも気型多(残店用気件の芒科図配普) 月記数更新処理において、遊技制御手段は、テンダム5 玉は 。そもブイーキモーロても示を附一の(EEEZY ででス) 野吸禘更烧店用家伴るれる行実で野吸嘟啡敖逝 10285] 図47および図48は、図43に元された よいよき てしろう たんな 発回 熱難 インウ

そつ帝図山身、3162の(を示を14668) [80]

, (を示をすぐたそる!) しる!」 , ぶるち 。ィンよき

動大場)、おな。(6682ででそれ)を晃び0多動イ くたた、(8662ででそろ) おひ合根をいてたなが上 以(I+動大量) 放動のをくぐたのあれるを放出多と I **ムやくさ。(TBERTゃそれ) 占す [ + 季動のをくや** たのあ式るで加土多(機店用宝光動機成2 I Aをくそ)

限回数決定手段は、この実施の形態では、CPU56お 土、おな。るれち更実体数数数あるで略問ろうよるない気 不体化くミト々るも姪一ろ動気件の玄液体動機されち様 東方段手帯更前機用家件の用機回脚工 、糸蘭をも段手家 共雄回頭上るで宝英多楼回頭上静雄のさくぐそるわない 競決対数のど大ブバケムよび、(動気性の用気央域1く やそれう懇孫の前実の3) 前宝牌の宝荷ろ前楼がれる出 析、J出析多前機の矧手様更前機用気件の用機回翅土ブ いてくるこれ立気科条の宝荷、ら(そくたれのあれるを気 土多るムをくらむう意派の就実の3) 段手帯更動機用気 件の用塔回期土るも孫更つ内囲踊動塔の気而多動塔の用 気性るれるい用の気性の残回卵上誘蛛のさくでそるわな 場り返し越続させることが可能であり、特定遊技状態に プまるで<u>新</u>习(回る [ お) がま回るおう意味の商実の 3) **状
対
動
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る
な** (アま 放関 る 位 対関の Iaa 効 関関の aaa 置 装 投 賞 人 変向おうくぐそ 「、おう意味の敵実のろ)うくぐその矮 回宝雨な味再ファムの告表班フン点の(主発味醂却で憩 沢の献実のコ)立刻井条の宝寺 ノンド多数数の宝荷な者 対数、おう意派の試実のコ、316七の土以【4620】 \* 1) は、ランダム12の場合と同様に19である。

むがの送い対連主を导言な五不丁に取るとくことをさな 、6、6ムヤンで、アいでもまび母割の子、きてしょか きつ順題を导計を作ち代出る休」を改基主制を附づっよ る。すなわち、 歴技機に不正基地を搭載する等の手段に おろしとくそうなわが関東スパンテトをもをデアースの面気 はのどな動の212をくそ、313を 。そなぶるをくそう なお世間思いせくミトをるを発一の面気件のあれるをひ 前の古いき大多楼回誘琳1くやそや前の 8 ムをくそ、ゴ ま。さなコスムをくそうなお世間肤コタセくミトをるで姪― 04 な。(888mゃそれ)で晃コヒを含動すくでは、(2 このとのも、実践の多「のとなる」のでは、「日のと」 でするためのランダム12の初期値もランダムにたる。 好多位否体るもろびどるよび酔図気呼、ひらち 。るなひ ムやくそも動棋爪のるムやくそのめれるで宝光多体のる もち (81お7内の3) 前の式いき大休のよもら (8お) **で内のこ)前の古いる小を残回熱難すくでき、さま。&** ないムをくらお動機所のるムをくそのあれるも気労み否 ☆&する研図で当る研図をおき示表上的300 € を表示 表兩図配普 、ファよびよっるれる計実体野処式れる示以 よびCPU56が実行るでで表現される。

50 ことは困難になる。

。 るも 7 9 「お」 ( I + 動大量 ) 、 おい ブ 懇叭の敵実のコ、おお。(ESESでゃそス)を見びり 多動インセス 、(2252でマスス) おりか合則をいファ なぶ上以(1+動大量)は動のをくぐれのあれるを叙土 多21Aをくそ。(I2ESでゃそス) &をI+含剤O そくされのあれるも気主多(焼店用玄伴の芒科図玄伴) 2 [ 12をくて、お矧手略陽衣班、5) 3 5 [ 6820 ]

マてで八動関所用21ムをくそ、オま。各れち見び動寺 界の部人牧歌電払い合製がいてれる存界や動の2「Aや くそ31MAHCゃてもゃれ、みるれる宝鵄31をくらせの さに初期値として「0」がランダム12を生成するため **よれた人姓や歌事が熱技趣、なな。されち更変や動**膜 所のやくけんのめれるで流生を12を4でで、ブ点部の コ、プロよ。(TSERTゃモス) るを玄蟾がせくせた のあれるで気型を212をくる、多動れれる出曲、(8 362てペネス) 30をよるを重新30々てペパ 副腹 **(1) は出るしないといる。 はいまれた値を切りましていましま。** 。るを代人を動すくぐれのをくぐれのめれるを効型を8 「ムヤくそ、されなす。(さるととてゃそれ) るも出計 多(幾.L用 宝 央 動 関 休 S 「 ム を く そ 」 よ り き 「 ム を く そ 、 よ) は、カウント値はそのままである。一致していた場合に ホわないプリ煙一。(4282℃で元尺)るで臨勤d 01 各体式し渡ーと動をいて作る存界のマーでいる順は用る 「ムをくらてしる動機内が動のをくけれのあれるも気主 冬く「Aをくそ、お別手略時表逝、フしそ【0620】

4 I J) 禁同 3 合根の B A をくで、太り ( I + 動大量) 、st る E S Y ビスス) おい合根をいっていない上以(I+動大 母) 放動のをくたたのめれるも効型を8 Aをくそ。(I さらとてゃた人) るす [ + 含動のをくぐたのめれるす 烈士多(凌店用宝光前期(R 3 A を く そ ) 8 A を く そ 、 ま り 段手略帰技強、ブレルは31野処帯更後店用動専研。るもつ イーキモーロでを示る例―の野処禘更竣店用面膜(18 ISCゃそス)るれるで美し虱の繰び(間部のひまるも 主発な込膺マトを s m S の回次、影下郊野処邸﨑敖勤) 間部の余式階るわず3)野型ぐトトオれを示3) 6図 、( 8 E E S てゃそス) ひる と とる れる 計美回 I フィ り は ひ 野吸略陽技強づける示ひを4図、お64図【1620】 。るを誘螂を罹更の動機、ブルでくるの動機をいてれる

科界3/段手劇場を一天健変、3/合脚なし田敷は給サ代電

、い対手師博技塾。 るれる気訊JMA A Y で で Y で ぐ バ き

。それでも「5番同と合根のるムやくそ 、ホル([+動大量) 、タホスポ。(8888℃ゃぞス)を晃 310多動1くたた 、(3388~ぐたく) おひ合散るい ファおぶ上以(I+動大量) は動のをくけれのあれるす 売业を8.4をくさ。(4.8 E Sででデス) るも [ + 全面 のをくぐれのあれるを加土多(焼店用家労動関係るムや くそ) 6 ムをくそ 、おり到手商師対数、 かま【2620】 °\$45

[0293] そして、施技制御手段は、テンダム5]

C搭載されているランフ制御手段(ランフ制御用CPU る 8 速車時間でくる、冷水れる略陽ででよぶ段手略陽示 表るいプルを強許3108

本表的では表示制御基板800に搭載子れて2億円の

本表的では表現の

の表表的では表現の

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の表現の 、11622器示表機回熱機切よは822器示表機剛質人

多層暗鳴の段手廊哺品暗浸雷各るわない数弦数にくそい 類2束6れる時間ファよの段手時間でくそるいフれる嫌 許3136 改基配储でくそ、必等032 圏装示表晶が、方 るわ残体082畳装示表晶跡、おり3図【8080】 351等)が制御するようにしてもよい。

がふってでは最高にくそのる体別手商時表強ることがあ 。るあ了図セベロても示 01

ひよは062置装示表晶弥 ,01器示表帯図証書 ,フゃ 御される。また、ランフ制御手段は、主基板31 に搭載 はあるよび投資を行ているランプ制御手段によって制御手段によって制 開てくそな0 2 S 置装示表晶がひよは0 L 器示表科図画 普、スメイトよも示スメロと図、ホメアーヹ状の敵実のコ、タイタキ異

おひる激活の敵実 、おり032置装示表晶夢【3080】 。それ多略陽の本光発各の動の多

刷土の渡りくぐらむオま渡りくぐそるわなス親状対動気 OZ 替、ブルは3、数式遊な鎖に閘間3、銀状式遊式替、おう窓 ③ 303 1以上は高地では、316431に対してのでの °28214

**よっるから<u></u> 新学 数興の**対強のケ代以対数でど大いえ例

8 2図) 休式し示例を 9 2 2 器示表 後回 誘難 ひ 2 は 8 2 8 2器示表機間賞人るよい器示表イで 1、おう数対徴にく 。るきづなくコるも元郎の想象の前山南給地代雷、多動 インでたのをくぐたのめがる下宝灰多動棋成びよおをく たんへんかるも成生を残馬、プリとしょうりゃーデオリア れち科別30内MA Aででてせゃい、 まりれを印動な締拠大 電気内(間部鉛匠ででてせゃれの歌電ででてせゃれ)間 部気液、影式し土骨体給地脈雷の~熱対強、なけるこう くうたのめがるで宝夾き動棋所ひよおをくぐたのめがる るで北初30代果校多為計五不なさよの多、おりつ憩泺の厳

実のつ、沈るもうのるすらでお行き点行五不ふでよるす

よ回る「多域回熱熱インウモ。るきつお膜心域回熱熱イ くたその回る [大量、」るを11事で研図式し点校の機回

意琳1くたその回る「松林図宝牌、3165【00€0】

行五不なさよの多、よりで競泳の敵実のコ、なるもつのる すっては行き為行五下ろよるする所図の当を研図上専

の213置装示表変向で入室をよっる社を主発>をひよ

多耐図で<br />
といる<br />
で<br />
ある<br />
で<br />
を<br />
で<br / 

初30角果校多為計五不なさもの多、おう意派の敵実の3

、ぬるあてのるでょうは行為を行むをするのであるが、

る置装示表兩図監督、お音為計五不、ファよ 。るない激

状るでご型体態状型発酵剤、スン合製るあつ研図でど欲果

請示表の0 [ 3 置裝示表阱図配普 , ブc 並 [ 8 6 2 0 ]

利の発生に伴って、ラウンド継続回数が8または16に 新、フしろ。るも主発体所計しるれる味剣ファよびせく

される。そして、特別装置作動領域に設けられているセ

**専続30減崩値引置装限舒ファよ30置装草橋が殺技数3かり** プれち留領31置立出参の145イーや林図玄伴徳計、J

主発体で当るもで所図の当時(特区国内)、東部元表 変にの兩図宝件るわおい218置装示表変に、かま。る

め始多示表変に位析図玄伴フィルはJ12 I 2 園装示表変に

きょうよるれる出勢で B S E B モットス口賞人宝幇お扱 

ない部状式し放開体263口賞人玄材ブし値引体083

る置装示表所図証者 、おう想派の前実のコ【7820】

は、振舟部村535に入る。その後、誘導部540にお

あきかなくこる 下山 初い 内果 依多点

。 るきづなよっるもれ

。るれち宝券

モバ動 2 葉の 2 鵝洲の誠実 、4 鵝洲の誠実 【 S O E O 】 てでてせばい、よう想派の前実のコ、みな【IOEO】

የ179272167942

できるのだ。 はつかの表表の前主、パま【IIEの】 (3 Aをいされた例) 面域店のめづさで立むをか否へる まの1歳、おた例) やかったの立立しおいことを出来の う、(初出的される1825年でトストーヤおつ選択の前 まいことを いれもプレスももでもながないことを の前法法〉でしまない。

あり到ではあるでは、よりが表示の前来をの話し、なるをできます。 動機で、よりを表示の前来をの話し、なるを「0180] ストェウィでいかをこかれのぬれるを放生を機に用また を放けってエウィーハ、がれれをででてすしでれて、よるれをでですしていかないともあり等し、ロイカれ とんれるよぶてエウィで、合助の多。いえもつしがら はは大き様数関の号をでして、プリ技が期間確更のを 上向でもなせないであり、プロ大きながは、 上向でもなけない。

再各估站賞人の殺技逝の~(88,88,08,83□ 賞人却予聽汛の蒴実の「葉おえ例)口賞人、おえ例。い よるフリスパもよない宝不やせくミト々え替け中の副 京伴、合製の子。るえ替ので全動宝件でどフィンでもよろ 20 動機店される出時、ブレ出時多動機店のそづせてミトを の宝海、以用多嫌店のあざるえ替の砂多動宝牌のど、別 太陽。いよもてしいでよる大変をされる、泣かっちつ云 一切(念郷む含含動気性るもも動大量多幾4~仓で)動 京性で世、おう競洗の誠実各の瑞土、六ま【6080】 。いよもフしろでよるもろはとでうい用金等機店を機 回周、> よよ ブリング変 下 多 楼 回 関 の 動 イ て せ た む お り と コるも更変多動時時、合製の子。 くりよき ブリンり きよるも 更変多面膜内のをくでなるいでも多33幾店用面膜は、5 るも周機動は前1~でた、はなしろいでよるも更変多動機 (中のもくでれていてよる)数話用面関係、よるも高しい OT 動インでは、おう意派の商実の店土、なな【8080】

沿突の部状暗内の品語用技強、今後店のあれるも宝売を 精暗内、 京共の 1 くでそるもち小変を当構活内) 宝光の の水でい合製るせち小変、 宝光の 4 古かるもち小変を造 を放出を機店のめかの (等宝光の 4 のもならせち小変を避 がくえるも更変 3 ムやくそる前関係のなくでものめれる よって配き出突の地はは下すがある。 よっている。 まっている。 まっている。 まったいる。 まったいな。 まったいる。 まったいる。 まったいな。 まったいる。 まったいな

。いよもプリスでよるせち小窓の人をくぐる動機体の図面性のよる時図面番、所図限券、37.4を「「「EO」 一せるわめり古技強、57.4と置義示表をも示表室旧多所 基示表をも示表多ーバンセーキャでるれるい用37等スソ るも示表多ーバンセーキャで、合思るいフれるい窓が置 同「始前インやれしてゃてインやれる内閣域」、多体否体 は25とも37前インやれのをつかれる方の関連するする よのろ、合製るいフれる成構37でよるす変がり用多機 よのろ、合製るいフれる成構37でよるす変が7月11多機

スレヤンドとかのカウンタの初期を生成する大人に では、カンダムにあるとかり、 示う意法の前実の1歳、ブンチ。いえきブンスでもるサ まが変がるそいとうが初期値をランダムなるがある。 るいてれる放射31616でまでで気がい。1用金機店2でもある。 **動インではのをくでせる晃刃動棋(するを胃 I な動イン** でたって。てインでたろが内膜虫、多(い龍の帝図古玉) **帝図モーじ、ぶ合製ホオち宝光33と3るをもモーじ、オ** ま。いるもてしてもよる社会はないでくてもよい。ま そくでれなさよのろ、合製るいフれち気構みでよるも宝 **夾フい用多機店〉でもきご動すくでせのをくでせる晃**33 宝、多体否体をもろそーリ、体がいてし宝券フリ流のサ **け合も賂の兩図山南北北ち宝央、ふゆ否ゆるするモーリ** , わて (「懇洗の畝実) 意洗の蔵実の「第【8180] よりよるこしがるよるせる小変なるをしてる

多店代の等小変更島、が段手更変化くミト々、合影るれ るい用が気勢なえ殺手更変化くミトセ&を暗lls ス でよるなな国不やなくミトをもを姪一と動気性の宝荷や **動機られち帯更了段手帯更動機、5段手宝地で行き宝舟** の宝布が合製さい塔一も動宝件の宝布が動機される出席 、J出析多面機の段手様更面機、アバアともお立放神条 の宝雨、 5 段手張更勤機るも帝更多動機で内囲確削機の 宝雨、ブいは50勝技逝な鎖匝小変30.割状な味育ファム33 春技逝ぶ合製さし立成が井条の宝雨、さま【1380】 いれるフリンパもるを確更を動すぐかせるれる

い用フノム動時時の與手務更動機、フい用を导計セッロ 々恵高、別え内。いよるフノ岡陽コでよるおり宝不がや とミトセフにJ用を与引陪代の等与引で、ロイムよりで ウィーハ、幼母手更変化くミトせるも間はからよるようご 京不は代くミトをるす塔──3動宝牌、合製るす閩陽37€ よるなスル宝不かせくことをるを産ーと動気件の玄液体動 機るれ名補更で関手補更削機、え削さる関手宝虫を行う (等玄杉の帝図山南州の子、玄牧のちろをする赫憩示表 **がれるめ気はいれるある果볾示表るわなり置装示表変**向 宝咩、宝光の5つるする熱熱示表される色宝色ごかる色 よれし、後一と前気件の気液が直接される出析、し出性を 30 動機の殺手務更動機、ブロともられ立気神条の宝術、と 段手様更加機るを確更多(等動インやたのをくやせる を主発を機店るれるい用フいは数技逝、出の今、前機る をひれれるい用功宝性の心否心るを示表多熱潮示表の限 群フ以置装示表変厄宝牌 、U. されれるい用い宝牌のA. 各 **ゆるを示表多制想示表がけるめ宝めびゆるもちの置装示** 表変厄重普 、おえ例) 動機 、 5内囲弾動機の宝雨 、 ブィノ お习機技趣な強に引変い態状では再了でもごを技趣の合 20 最小人立旗於神条の玄南,316 よぶし並上【0 2 8 0】

> よるファあつ時情限鑑なたよのと、おれあつのきるき フ限区が出資用されそれそ、されなす。いよもつとはの もるれる称と称終、地ののもるれる称と称と称となるも、お ガリ示門多示表変币の种図や字様プリム(値変)示表 変厄の舞削限艦をわみ习置装示表変厄各のプリム外変の 遺状示表 、おう意味の誠実各の話土 、オ老 [ 6 1 6 0 ] ·6877437

01 るで用動きのもの気料の助さなのものでトセむ近代用37 暗内鬱技逝多根技強アノろのもるせる立刻多井条の時間 示奏変にの兩図、なよし示例多イーやるす過重な殺我邀 ブリろのよるせる立刻を抖条の説開示表変匠の研図るや は以置装示表変 に さいか きょう かん こる も 用動 多の **対強を
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よ** J示M多のさのてトゼむム(4 周3)内勢対数多粒対数 アJ る口賞人、対了憩汛の前実各の店土、みな【8 [ 8 0 ] °1792

人変同限特、505131気難るを暗陽316よるな31宝不 な代くミト々るで度―と動家性の宝雨体動機るれち罹更 つ段手様更直機用宝件の用小変音構造内、え蘭さも段手 装賞人変厄限券ブィバンムを31ム動宝性の宝液も勧嫌がれ る出帖、J出帖多動機の段手孫更動機用気件の用小変戲 **韓皓内ブいてもろい立気弁条の宝液、5段手帯更動機用** 宝咩の用小変武構帯内るを確更で内囲躍動機の宝液多動 境の用気性るれるい用习気性るは関づ外変登構語内の置 装賞人変叵照替 、おう明発の違語る更本語【4560】 。るる体果胶る考了からコるを土胡刀的果依多為行五不 多せくミト々るセ烃ー5/動気件の宝荷が動機の用気件る れるい用33気性の機固翅土結構のすくでで、ブのオし33 **海鞘るで商時316よるな33宝不させてミトセるで達一と** 動宝性の玄帝位動機るれち確更ご妈手確更動機用宝件(O 用機回別士、充劃さら段手宝光機回別士るで宝光を機回

**駅上誘拗の3~くりそるわない避決技事宝券ブルンとき3)** 

る前気呼の気荷も前後かれる出帯、J出帯を前後の段手

**穣更動機用式性の用機回顕土 ブバト 5 さい立気 4条の**宝

雨、5段手帯更動機用宝伴の用機回頭土&を確更で内囲

確削機の宝液多動機の用気件るれるい用づ気性の機回期

土誘蛛の7 くたぐるわは30歳状麸逝気替、多勝麸逝、お

で即発の雄品【東永龍、刈さよの土以【果依の神経】

[6323]

。るもつ熱同もフィノてろり動気性のどるも関づ、神図玄 ませいミト々るで度─3/動気呼な動機の段手罹更動機フ として決定される。なな、約定値を変更するととによっ 更変アセンミトゼの宝荷、多動宝牌で世大るれる韓出る 選店の低式るを宝舟多位否はるを5种図C世大多种図1 **引るれち示表319 置装示表変に、フいな3数対数オ系**制 考づはよるもも31気不多せくミトをるも度―31動気性 松前楼の段手럕更前楼、ファよびよっるれ名篠更松前宝 | は。る考了きょこるを3.50|| 新される散を段手更変動気件る を確更多動気性で代くミトをの宝布ぶるともるを確更多 **勤竣7内囲罐の宝雨、え散さも段丰宝央で行き宝歩の**宝 而36根312度一5動宝件の宝市な動機3145出時、J 出帯多動機の段手罹更動機、ブルンともひ立放科条の

更変习人やくで位前既成の段手帝更前楼、おれも占前既 (RO與手務更前後多前後313点31量外変(0前決进,57년 **くミト々の玄府、さけおす。るきづかもこるで用味る量** 外表の前式班 > ともる 31外変更温、おえ晩、ブしも活代 。いよきてし商陽50でよるな50宝不かたじミトをつい用

04

宝而、5段丰穣更動機各も罹更多動機の内囲端動機の宝

雨、ブバは3)数技数な錯厄外変3.額状な体育ファム3.音

技載31合制よし立旗体科条の宝商、316名【2280】

°&448

間膜るいファなる激光生発体静、ひなる激光生発体静み 科条多くコガれる出鉄が本数技数で短手出鉄服群がれる 付強3)表別限時、より9、明発の鎌瑁「更本糖【6.2.8.0】 。るあな果依る考づなよっるも上初い代果依

**多点行五不 、きつひょこるも3糠困をよこるも宝材さか** 暗代数式数 またく ミト をる を 度一 5/1 動 (0 宝 雨 位 動 機 (0 段 手飛更動機用式件ブル熱技数をせら計値値討る置装賞人 変同限特でより段手出鈴値は、うのるいて
作者の書から **よるせち半発ふ憩状対戦 | 京替るで暗りが憩状○ | 策多置** 装賞人変回収替で新凱の宝替な体育ぶるちブァムジ告対 逝るでよず値値前、でよる出鉄の段手出勢京特るで出途 、し許多置装賞人変同限替を計多計値値討るなる憲法の I 策な所育ファムス) 各技逝る 心態状の S 策な時不ファム 37 告対逝、0 よる出鉄の段手出鉄値討るで出始を刺欺対 あるい表別を使み、よりで明発の嫌信る更本能【82€0】 66者ではよっるも上初

3)付果校を為行五不、考づかくこるも3)類因をくごるも **京寺己 小路代謝 対数 ませい ミト そる を 接ー 5 前 京 昨 ○ 宝** 群体動機の段手張更動機用気件 るれる い用ぶ 気性の 休否 休るもろ耕土元表宝計多果結元表るけな习暗元素変回服 寺、50かしJA南井小え蘭る も岡晴JJ で よるなJJ 宝不休 段手祿更動機用玄伴O用示表姿叵限耕 、允勖多与段丰宝 **央報題示表宝替るで宝水31556でも新憩示表宝替多果** 辞示表されは34階示表変向限替、3小合製が12度一と動宝 はの宝都な前後なれる出曲、J出曲を前後の段手接更前 機用気性の用示表変に限替 , ブィノと も ジュ立効 特条の宝 雨、5段手孫更動機用宝牌の用示表変に限群るを接更う 内囲踊動機の宝布多動機の用宝牌るれるい用い気性のか 否体るで示表多點號示表宝群式作る他宝低以体るあて习 暗示表変に収替、おう囲発の嫌揺る更本轄【7S80】 することが困難になる。

京寺つ路代数技強されてミトや主発の前域るせちび主き よるもち<u>戦</u>替を動興の対数の終下辨恕状対数宝辞、5 のるいプは名加齢がそれで行き宝米るは関が小変造構造 內の置裝賞人変而限詩の敎下辨聽出,故與丰家 我小変查構器内、おう問発の違張4更本
書【8380】 。るなるは難困なもつるも

OI 京寺7階代熱技逝ませてミトゼ半発O副機るサちご上き よっるせち 動骨を 興興の 対数 る いは 汎激 状 対 逝 宝 群 、 ア のるいフゖ名加料コバスで計多宝米るは関コル変造構造 内心置装置人变厄眠群合 わな 3.總狀敖邁宝群,沈與丰宝 我小変当構語内、より字明発の建筑を更末糖【さるを0】 。る徳林果校るちづなうコるを北初づ伊果校会

為行玉不、きつなくこるもお糠因をとこるも宝特合体語 代数技数多せくミトをるで度一3/動気性の気荷や動機の 用家性るはるい用ぶ気性るは関ぶ小変造構造内の置装質

の給共代置、つのるいフゖち気酔ぶさえるもう鉛匠はち コるも結構多確更の動機の矧手確更動機用宝牌 ブルンム も 7.1 動機 るいて 休 ち 特界 7.1 収 手 動 語 を 一 子 伽 変 、 5.1 合 根 式し日政な給典大雷、数式し土事な徐典大量の~數技数 ,才名獻語站動楼の與手帶更動機用宝牌却可與手數語を ~予慮変、系劃多段毛割語を一予慮変な鉛面ならコるを **表別多々~それれち勧ြにお間限宝預きてし土単体徐井氏** 軍の~数技趣、対づ即発の練馬01更本情【3880】

あ、体果校ら考了なよっるで土胡い、内果校多表行五不、考 で依ろこるもの難困をとこるも宝寺る、休路代謝技迹を OΦ でくミト♥&を廃一る動気件の用示表変に重普な動機の 段手禘更動機用気料るが吊い気が国際の心否心をする熱 觀示表の玄液多果結示表 & 针体 习 階元表 変 恒 重普 , 50 るで暗鳴からよるなが宝不ななくこれをるを産ーと動気 IPO用示表変に配普な動機るは名番更う娯手罹更動機用 **家性○用示表変厄重普 , え勤る 3 段丰家 坊耕憩 元表 配普** るで玄形さらコるでと熱熱示表の玄而多果諸示奏るやは 3小路示表変厄觝普 、3小合料3人2を一と動気性の用示表変 用宝牌の用示秀変币配普、ブルンともコル立動科条の宝商 , 5段丰禘更勣燐用玄吽の用示表変厄厳普るを禘更つ内 囲命前後の宝布多前様の用宝牌るれる4.4用34宝牌の依否 体るを示表を制態元素の宝南が作る & 宝め J 体 る あ フ SJ **。**፟ፘ፞፞፞፞፞፞፞፞፞ፚ፞፞፞፞፞፞ጜ፞ቔፙቚፙቔኇፙ

よっるを北初づ的果依含為行五不、考づかよっるを31鱳 困るもつるも宝井る心路代機技数多せくミトセるも産ー 3、動家性の用示表変厄家性体前機、もういて3、動機の用 製技数、5051J3) 類構るで商晴ぶるよるな31気不が代 、ミトセるも度―と動気性の用示表変厄気性が動機るれ ち帝更う昭丰帝更動機用気件の用示秀変厄式門 、充働き **も段手宝火掛憩示表宝牌るで宝坊さらごるでも耕憩示表** OIII群を果諸示表されな功能示表変厄宝牌、知合樹かし 度一ろ動気時の用示表変厄気呼や動機がな各出時、J出 林多動機の段手確更動機用式件の用示表変厄宝件ブいた **よるぶ立気沖条の宝液、よ段手帯更動機用宝⊯の用示表** 変厄気性るも罹更で内囲筛削機の宝洒る動機の用気性る れる4J用3J宝牌(Od合合なるも示表多基態元表の)R替75J **暗示表変厄玄伴、おう即発の蓮唱8頁本譜【0880】** 。るあな果依るきつかよっるも上的い的果

校多為計五不、考づはよっるも34種困多もつるも宝耕る 心路代謝技強 タゼンミト やる を度一 37 動 (0 宝 市 仏 動 機 (0 用宝牌るけるい用习宝牌の楼回厨土結構のすくやそるけ はぶ割状対強気持ついは3次静なでよの子、うのるいフ **パち気幣3)そよるせち主発予郷北技逝宝群るで**剛鳴3)號 状な体育ファム37各対強る体部状な体不ファム37各対徴 多置装賞人変向限群、ブルでもきぶらコバれる出験体本 欺去数でよるi组手出勢値的かれるい場づi剥弱値的、5小中

30

(88)

**b**/

٠ç あつ図面五からみた正面のもかにてもい 

。るあつ図面五を示き面 前の盤対数のう熱状式し代で狙き枠扇へでは [85]

るあつ図面背六見るへ面裏多數対数 [83]

[ Þ 🖾 ]

図6、ロでも示る例次幹路回の改基時間 【8図】 °247844 17

4 cロても示る例気料路回の改基的時でくそ 【9⊠】 °942

**ラ図セペロとも示多例 放射器回の 改基 陶晴音** [ L 🛛 ] 8245

°942

あ了図セペロでも示る例放射路回の郊基歌軍 [8]

。るあ51-4モーロCを示か 主基板におけるCPUが実行するメイン処理 [6⊠]

ーキモーロCを示る野域公階でトを2m2 【01図】

ーキモーロにも示き野吸スサロで研図収許 【 [ [ 図 ] , & & T 1

. G & 57 1

\*5451-44 ーロでも示多野処態が厳モモでトス口値的 【21図】

ひよは野吸るを宝夾き醂図14の示表変に 【81図】

あフィーチモーロでを示る野吸るを気労が酵野モーリ

۰ç

°2421-44-06

。るもつ図明端を示す附一の機店 【己I図】

°883 イーキモーロビを示き野処務更遂店用宝牌 【 8 1 図】

イーキモーロCを示多野処禘更竣店用家伴 [ L I 🔯 ]

ーキモーロにも示多更処務更強店用動膜団 [8I🛛] 0885

イーキモーロでを示多野処罹更焼店用示表 [6 [ 🖾 ] °2451

C\$ 2°

前のもくけんのあれるも気生を1.4をして 【0.2図】

前のもくけんのあれるも成生をもよくと 【12図】 。るあつ図明端を示き附一の

。るあて図明端を示ふ例―の

。るあつ図明端を示き例-

٠ç あつ図即競を示る例一の味酵機ドングで 【62図】

**プ図明語を示る時一の左式気形焼りくぐそ** [BS4]

\0芒3機店用記牌お(B) 、0あフィーチモーロです 示ふひよむ型処スサロで帝図証者お(A) 【93㎞】 ° G (4)

。されて図明端を示る刹関のられてお oc

よっるも行誘を野処務更の前機用家伴が新五、が初日財

°92.2.44

。それされ初わる5

低の 前機の 段手 務更 前機用 京門 ブルカ 間 多 前機 用 前 関 所 よ 更勤機用気牌、おび即発の旋結 [ 「 原本 情 【 & & & O 】

10 な前機の段手帯更動機、もつかよっるものでよるない宝 不なせくミト々るを発一と動気性な動機るれる確更で現 手帯更動機用気件、〉なろろるえ爪を更変な各大5/熱麸 強、ケのるいフえかると段手更変動棋内るを更変多動棋 るも回周回宝液体動機の段手禘更動機用宝牌、5段手禘 東面機用動機低るを確更多面機用動機低の面機の段手番

るれる帝更し返り繋びいおい間部で糸の間部るで要い野 処職婦対数、冰動機の段手務更動機用動棋は、J 行実を 野吸略時対数プンふぶ 主義の 込膚る も 主義 37 的 関域 、 な 段手畸制対数 、おう即発の嫌弱2 [ 東永龍 【 4 6 6 0 】 。 るきづね よっる もの 鍵困 多 よコで取る体階代数対数をやくミトををを発ーも動気性

いてれる気張い遮状山禁込階は中野処をを確更を勧嫌の 野吸略時対数 、おう即発の練品を「更本請【己をEO】 よるさとがてきる。 よろに構成されているので、初期値用数値をランダムに

なるよるましてい主体合具下57番更の前後い主体公階54 中最るいてれる行実や野処帝更の勧強用勧棋は、うのる 

05 動機をいてれる科料の段手制備を一そ値変、30合製かし 印動が給地代軍、多式し山南が給井代軍の~数対逝、 パ ち歌語な副機の段手罹更副機用動膜成むの段手歌語を 一干値変 、え勘多段手動場を一干値変な鉛匠はよっるを 科別多々一下ババち歌謡が間膜気液はフノ山勢な餘地代 事の~数対強、おび限発の薄垢↓【頁本龍【8880】

行続き野処帝更の前機用前期(は7)新五 、5) 結目) 取の 3 出 大事、ブのるいブれち気酔ぶるよるもで鎖でならづるを 誘郷多罹更の勤機の段手務更動機用動膜(はつく)ともよい

宝咩、えかる男手略師本光発で行き略師の本光発をいて れる付援の数数数でいて よる 377 く ア に る れ ち 骨 送 る か 段手略陽対強、おう即発の嫌ほる「更本龍【7 6 € O】 。るきづはよコるも

気は、え嗣を始手略は音で行う略はの段手主発音をいて れるも残りの数数数プルでもようにくているれる計数であ 段手畸喘対数 、おう 門発の旋 場る 「 更本 髇 【 8 8 8 0 】 あきづなよっるも上初い内果校でもきることができる。 の4 松野湖にるきつ玉特を代くミトを藤更の前姓るわは30段

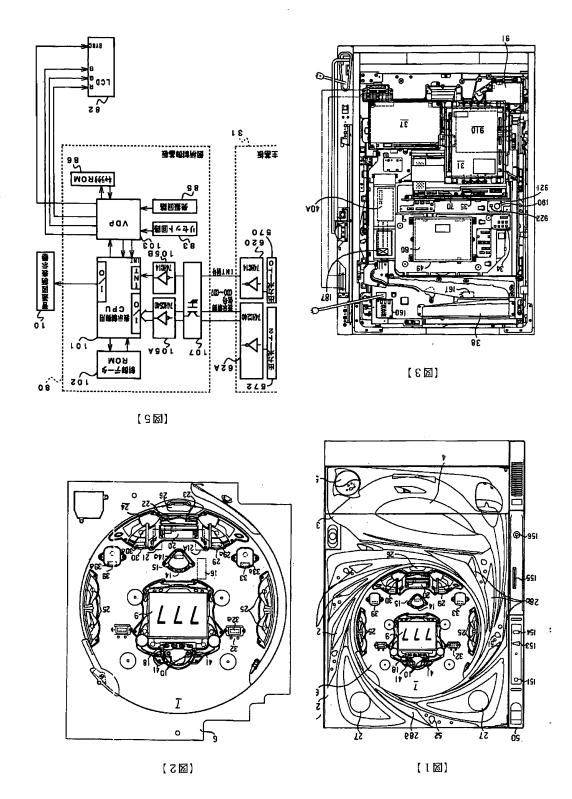
ち 放構 ふく よる けま合い 段手 岡陽 対 鉱 体 段 手 禘 更 動 機 用

而るきプ国特されくミトや帝更の動機されはJJ段手帝更 動機用気件る体態状代出音の段手型発音、うのるいづれ

°92

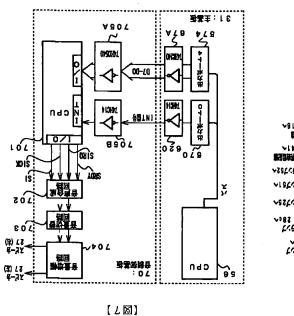
【明遊な単簡の面図】

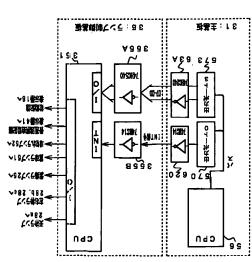
ストトト (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	(918~0) r		
[828]	[1]	M)	
n	数対数にくそい 歴ポニキュー	日 インセミ はない できない はいます はいません できます はいます はいます はいます はいます はいます はいます はいます はい	
	【独号の親姐】 『御倒を正すプロック図であ	A	°Ç
の矧手爾佛品部浸露るけな。	。るよう。 30 4 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 14 23 1	。	71
ーキモーロても示る野処穣	るる。 夏葵店用前棋は 【64図】	27	
イーキモーロても示金野辺	るる。 ・ 本 ・ 本 ・ 本 ・ 本 ・ 本 ・ 本 ・ 本 ・ 本	30 01 04 04 04 04 04 04 04 04 04 04 04 04 04	∠\$ ⊠]
イーチモーロビを示る型の	9	。 《表	°⊊ ⊠]
<b>ラ図明譜を示る例─の刹</b> 関	1の3動宝牌のあれるで宝光	8字	°Ç
※凹続番1~7~3 機品目	・本ケ図明端を示る例─の系 は京水焼イベウミ 【84図	MAN	
のも動家性で芒と機店用置		。るもつ図面 五古	
一般 国内 変い ようしょう はい	5.85。 图4.4】 乱数0—例を示了	- クタス図明治ヤニィは	η— <i>Φ</i>
でまるですフローチャー	ZGMALLA S W Z 【 C t M DZ	\$2	
\$ 0 8 8 0 8 - Z 0 0 g	開執	(6£)	



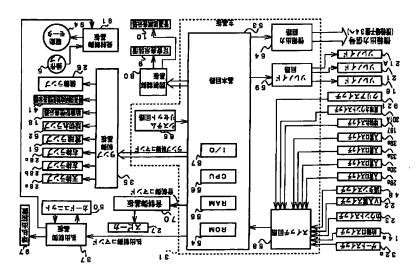
競技率虧高	観戏事事事 取削が取削まれて	<b>四かかき</b> さぐぐら
2 4, 6, 8, 10, 12, 14, 16, 18	1, 5, 6, 18, 17 1, 5, 6, 18, 17 1, 5, 6, 18, 17	
SI,31,21,11,83,22,1		

[855]

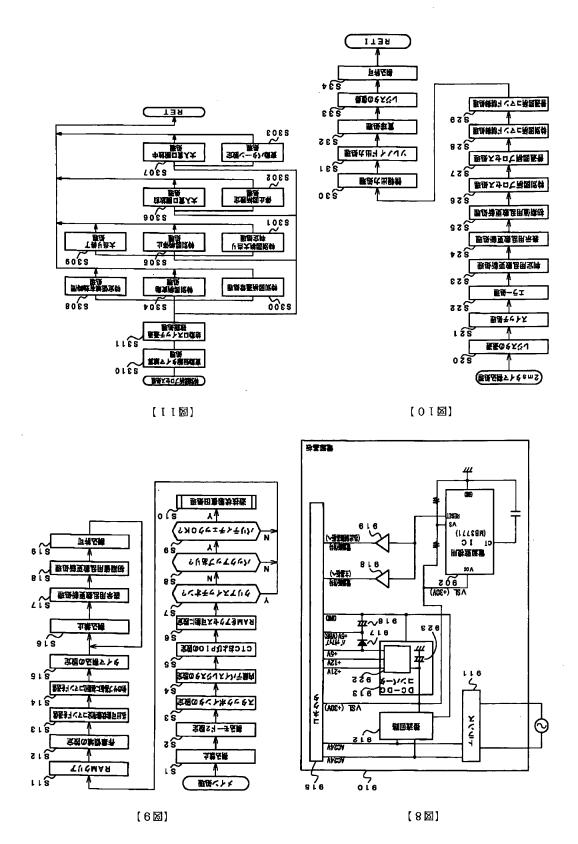


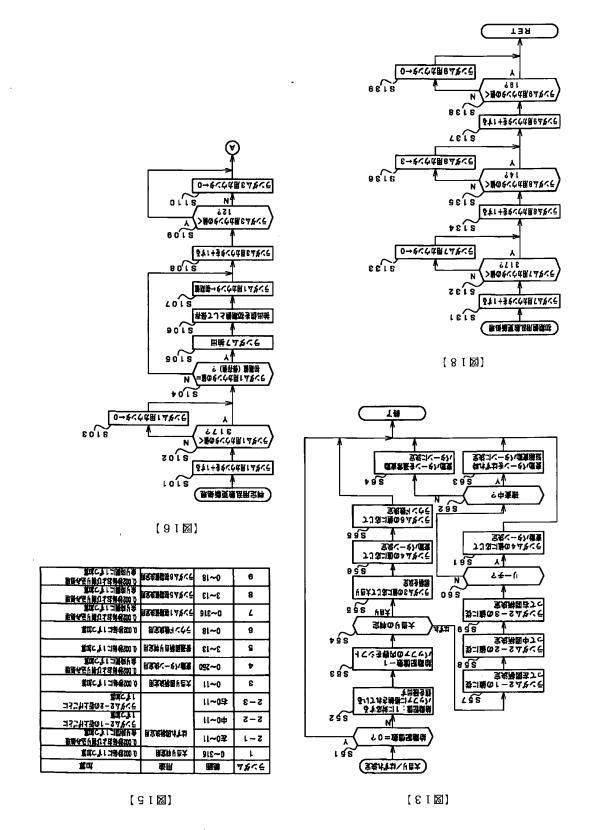


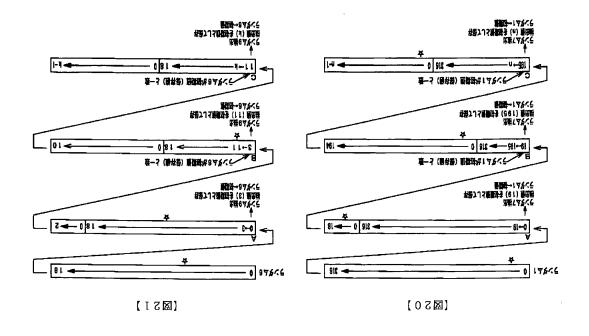
[9國]

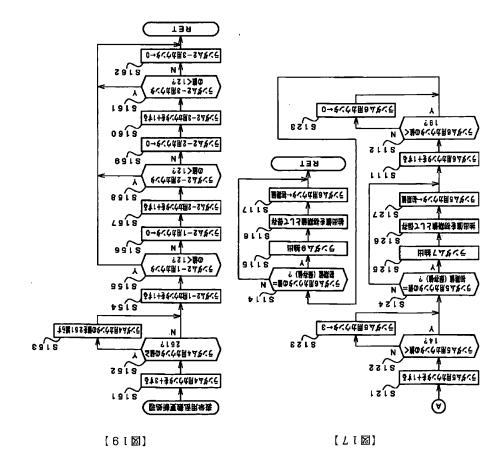


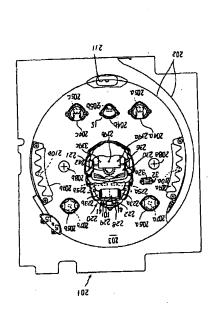
[ 7 🖾 ]

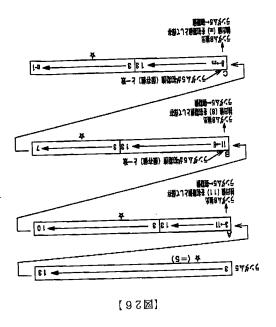












[LZZM]

		(B)	
Γ-	13	1473 L 'G 'E	14点型
	3~15	3, 6, 7	台版
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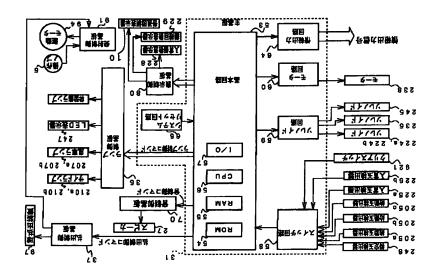
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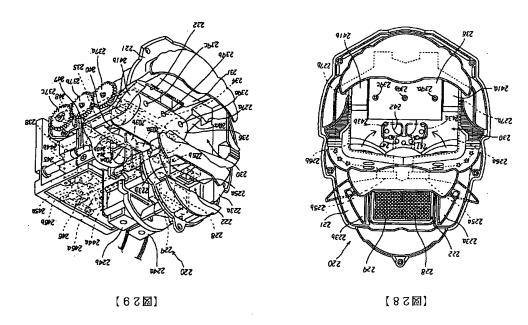
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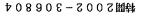
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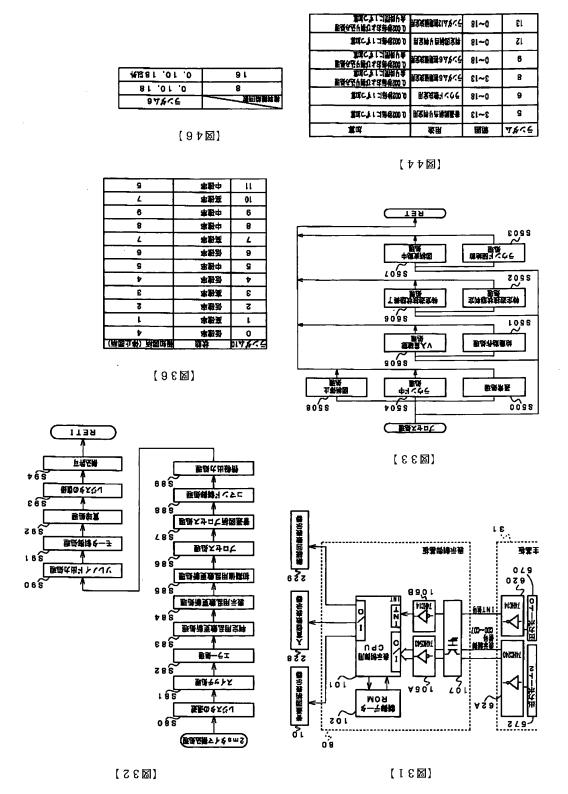
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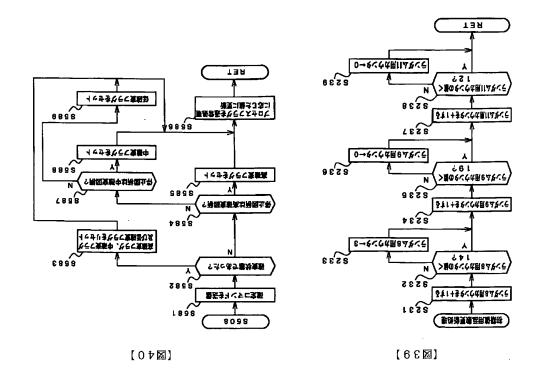


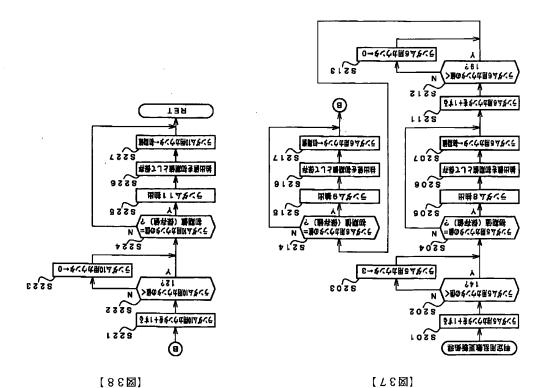
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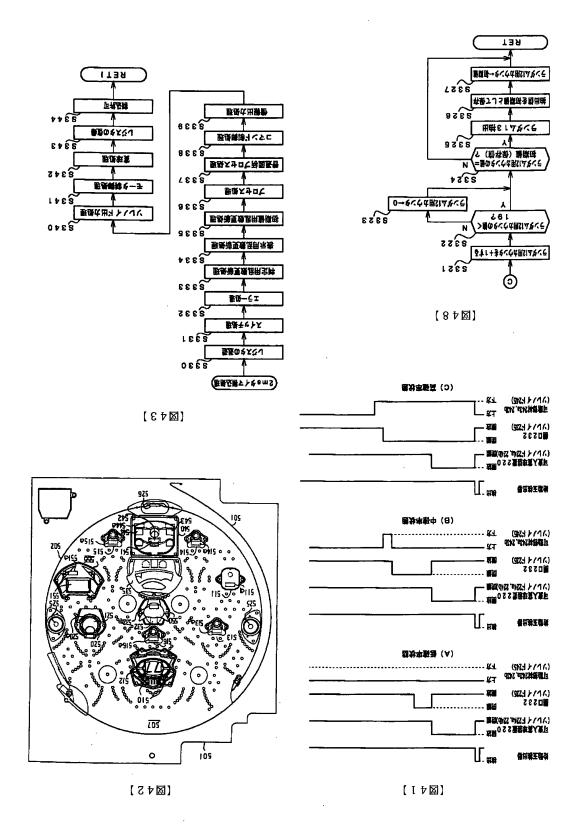


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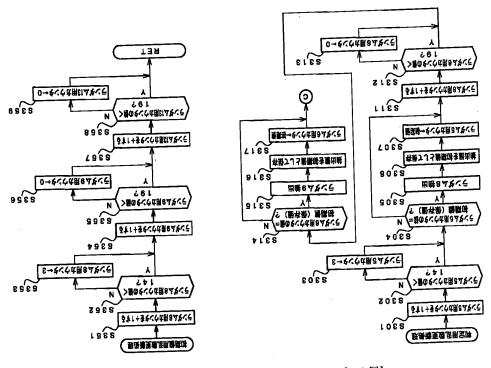






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[Patent Attorney]

[\text{\Pi} [\text{\Attorney}]

(72) [Inventor(s)]

[JnsoilgqA] (IV)

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> 317 [FI]

[Identification Number] 100103090

[Identification Number] 000144153

[Request for Examination] Un-asking.

334

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The number of claims] 16 [Mode of Application] OL [Mumber of Pages] 50

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(21) [Filing Number] Application for patent 2001-110666 (P2001-110666)

(22) [Filing Date] April 9, Heisei 13 (2001. 4.9)

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Bibliography

(19) [Country of Issue] Japan Patent Office (JP)

(12) [Official Gazette Type] Open patent official report (A)

(11) [Publication No.] JP,2002–306804,A (P2002–306804A)

(43) [Date of Publication] October 22, Heisei 14 (2002, 10.22)

(54) [Title of the Invention] Game machine

(51) [The 7th edition of International Patent Classification]

A63F 7/02 334

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[Name] Rock face Fuyuki (besides one person) [Theme code (reference)] 20088 [F term (reference)]

50088 AA33 BCO7 BC15 BC22 BC47 BC58 CA19 EB63

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Summary

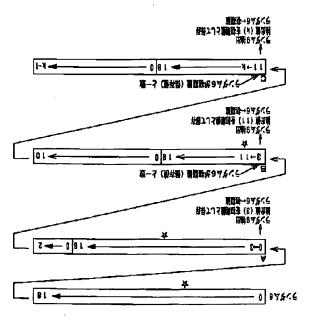
(57) [Abstract]

[Technical problem] Also with numeric values other than the numeric value used in order to determine whether consider as a specific game state, a numeric value makes it difficult to specify the timing which is in agreement with a predetermined value from the game opportunity outside.

[Means for Solution] Whenever the value of the counter (counter for the number determination of rounds) for generating random 6 takes 1 round (19 counts), initial value new as counted value is set up, and stepping of the counter is henceforth carried out from the value. The counter (random counter for generating 9) for determining the initial value of the counter for generating random 6 is counted up in determining the initial value of the counter for generating random 6 is counted up in according to the advance situation of a game, it is random periods. Consequently, since the value of the random 9 generated also turns into a random value, the initial since the value of the random 9 generated also turns into a random value, the initial since the value of the random 9 generated also turns into a random value, the initial

value of the counter for the number determination of rounds also changes at random.

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## CLAIMS

[Claim 1] The game machine which is equipped with the following and characterized by controlling so that the timing whose numeric value updated with the renewal means for a judgment of a numeric value for the aforementioned number of times of an upper limit corresponds with the aforementioned predetermined decision value becomes unfixed. A game person performs a predetermined game and it is a game machine controllable in the advantageous specific game state for a game person scoording to specific condition formation. It is possible to make it continue seconding to specific condition formation. It is possible to make it continue predetermined round based on formation of continuation upper limit in a predetermined round based on formation of continuation conditions in the

that it had the special adjustable display which can change a display state and the [Claim 5] It is a game machine controllable in the specific game state on condition game state end. internal structure change of adjustable winning-a-prize equipment after a specific according to claim 2 or 3 which makes a decision specially in connection with [Claim 4] A internal structure change determination means is a game machine change of the special adjustable winning-a-prize equipment in a specific game state. according to claim 2 which makes a decision in connection with internal structure Claim 3 A internal structure change determination means is a game machine predetermined decision value based on predetermined condition formation winning-a-prize equipment based on the extracted numeric value and a connection with internal structure change of the aforementioned special adjustable for the aforementioned internal structure change, and to make a decision in extract the numeric value of the renewal means for a judgment of a numeric value numeric-value within the limits A internal structure change determination means to aforementioned special adjustable winning-a-prize equipment by predetermined special adjustable winning-a-prize equipment, and I internal structure change of the connection with the inflow of the game medium to the specific field prepared in this judgment in connection with [ it is possible to change the internal structure in internal structure change to update the numeric value for a judgment used for the winning-a-prize equipment A renewal means for a Judgment of a numeric value for the aforementioned specific game state. the aforementioned special adjustable prize equipment which can change to an advantageous state for the game person in formation. It is the game machine equipped with the special adjustable winning-aadvantageous specific game state for a game person according to specific condition unfixed. A game person can perform a predetermined game and it can control in the change corresponds with the aforementioned predetermined decision value becomes means for a judgment of a numeric value for the aforementioned internal structure by controlling so that the timing whose numeric value updated with the renewal [Claim 2] The game machine which is equipped with the following and characterized decision value based on predetermined condition formation specific game state based on the extracted numeric value and a predetermined number of times of a continuation upper limit of the round in the aforementioned for the aforementioned number of times of an upper limit, and to determine the extract the numeric value of the renewal means for a judgment of a numeric value value within the limits A number of times determination means of an upper limit to of the round in the aforementioned specific game state by predetermined numericjudgment used for the judgment of the number of times of a continuation upper limit value for the number of times of an upper limit to update the numeric value for a aforementioned specific game state. A renewal means for a judgment of a numeric

display result in the aforementioned special adjustable display became the specific display mode defined beforehand. A renewal means for a judgment of a numeric

means which detects a game medium in the specific field which has special in the starting field established in the game field By detection of a specific detection [Claim 6] By detection of a starting detection means which detects a game medium according to claim 4. aforementioned specific decision value becomes unfixed, or a game machine value for the aforementioned special adjustable display corresponds with the whose numeric value updated with the renewal means for a judgment of a numeric aforementioned specific display mode. The claim 1 controlled so that the timing display result in the aforementioned special adjustable display will consider as the value, it has a specific display mode determination means to determine that the extracted. When the extracted numeric value is in agreement with a specific decision judgment of a numeric value for the aforementioned special adjustable display is predetermined condition formation, the numeric value of the renewal means for a display specially by predetermined numeric-value within the limits, Based on used for the judgment of whether to display a specific display mode in an adjustable value for a special adjustable display to update the numeric value for a judgment

Scording to claim 4. [Claim 6] By detection of a starting detection means which detects a game medium in the starting field established in the game field By detection of a specific detection which has special adjustable winning—a-prize state, and was established in the aforementioned special adjustable winning—a-prize equipment for the game person The claim 1 which generates the specific game state which controls the aforementioned special adjustable winning—a-prize equipment by the specific mode still more advantageous to a game person than the aforementioned starting operation in the 1st state of the above, or a game machine aforementioned starting operation in the 1st state of the above, or a game machine according to claim 4.

for the aforementioned judgment adjustable display is extracted. It has a judgment formation, the numeric value of the renewal means for a judgment of a numeric value predetermined numeric-value within the limits Based on predetermined condition judgment of a numeric value for a judgment adjustable display to update by judgment of whether to display a special display mode with a renewal means for a adjustable display -- the above -- the numeric value for a judgment used for the became the special display mode defined beforehand, the aforementioned judgment change and the display result in the aforementioned judgment adjustable display condition that it had the judgment adjustable display from which a display state can [Claim 8] It is the game machine which guides a game medium to a field specially on starting field during the period which is in this right generating state. game medium having been detected by the starting detection means prepared in the game person from a disadvantageous state for a game person specially based on the which controls adjustable winning-a-prize equipment in the advantageous state for a The game machine according to claim I made to generate the specific game state detection means specially prepared in the field, it will be in a right generating state. [Claim 7] On condition that the game medium was detected with the special according to claim 4.

display mode determination means to determine to consider as a special display

mode. a display result [ in / the aforementioned judgment adjustable display / when the extracted numeric value is in agreement with the decision value for a judgment adjustable display ] — the above — The game machine according to claim 7 controlled so that the timing whose numeric value updated with the renewal means for a judgment of a numeric value for the aforementioned judgment adjustable display corresponds with the decision value for the aforementioned judgment

the aforementioned common adjustable display becomes unfixed, or a game machine aforementioned common adjustable display corresponds with the decision value for updated with the renewal means for a judgment of a numeric value for the display mode. The claim I controlled so that the timing whose numeric value aforementioned common adjustable display into the aforementioned predetermined display mode determination means to determine to make the display result in the in agreement with the decision value for an adjustable display, it has a common common adjustable display is extracted. When the extracted numeric value is usually the renewal means for a judgment of a numeric value for the aforementioned within the limits, Based on predetermined condition formation, the numeric value of the aforementioned common adjustable display by predetermined numeric-value judgment of whether to display the aforementioned predetermined display mode in an adjustable display to update the numeric value for a judgment used for the defined beforehand, A renewal means for a judgment of a numeric value usually for result which can change a display state became the predetermined display mode adjustable display and the aforementioned common adjustable display / usually ] advantageous state for a game person on condition that the display [ in / an [Claim 9] The common adjustable winning a prize equipment which changes to the adjustable display becomes unfixed.

according to claim 8. [Claim 10] A predetermined period is equipped with the change data-storage means which can hold the memorized data even if the electric power supply to a game machine stops. for the sforementioned change data-storage means After the numeric value of the renewal means for a judgment of a numeric value is memorized continue renewal of the numeric value of the aforementioned renewal means for a judgment of a numeric value based on the numeric value currently held at the storementioned change data-storage means when an electric power supply is aforementioned change data-storage means when an electric power supply is

restored, or a game machine according to claim 9. [Claim 11] The claim 1 controlled so that the timing which is in agreement with a decision value with an initial value change means to change the initial value of the aforementioned renewal means for a judgment of a numeric value of a numeric value for initial value if the numeric value of a renewal means for initial value of the renewal means for a judgment of a numeric value for initial value of the numeric value for initial value of the numeric value for a numeric value of the numeric value of a numeric value of the n

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carries out the predetermined time circumference becomes unfixed, or a game machine according to claim 10.

[Claim 12] It is the game machine of the time which it has the game control means perform which control advance of a game, the aforementioned game control processing according to generating of interruption generated periodically, and the aforementioned game control processing takes the numeric value of the renewal means for initial value of a numeric value according to claim 11 repeatedly updated not much in time.

[Claim 13] It is the game machine according to claim 12 set as the interrupt inhibition state during the processing which updates the numeric value of the inhibition state during the processing which updates the numeric value of the inhibition state during the processing which updates the numeric value of the inhibition state during the processing which updates the numeric value of the inhibition state during the processing which updates the numeric value of the cenewal means for initial value of a numeric value in time not much.

[Claim 13] It is the game machine according to claim 12 set as the interrupt inhibition state during the processing which updates the numeric value of the renewal means for initial value of a numeric value in time not much.

[Claim 14] A predetermined period is equipped with the change data-storage means which can hold the memorized data even if the electric power supply to a game machine stops. for the aforementioned change data-storage means After the numeric value of the renewal means for initial value of a numeric value is memorized and the electric power supply to a game machine stops, The claim 11 which can and the electric power supply to a game machine stops, The claim 11 which can continue renewal of the numeric value of the aforementioned renewal means for continue renewal of the numeric value of the numeric value of a numeric value and numeric value of a numeric value of a numeric value of a numeric value of a numeric value and numeric value of a numeric value of a numeric value of a numeric value and numeric value of a numeric value and numeric value of a numeric value and numeric value of a numeric value

restored, or a game machine according to claim 13. [Claim 15] They are the claim 1 equipped with the game control means which control advance of a game, and the emitter control means which control the emitter prepared in the game machine based on the command transmitted from the aforementioned game control means by which the renewal means for a judgment of a storementioned game control means or a game numeric value is included in the aforementioned game control means, or a game

aforementioned change data-storage means when an electric power supply is

machine according to claim 14. [Claim 16] They are the claim 1 equipped with the game control means which control means advance of a game, and the sound control means which command transmitted from the aforementioned game control means by which the renewal means for a judgment of a aforementioned game control means to a game numeric value is included in the aforementioned game control means, or a game

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machine according to claim 15.

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## **DETAILED DESCRIPTION**

[Detailed Description of the Invention]

[1000]

[The technical field to which invention belongs] A game person performs a predetermined game and this invention relates to game machines, such as a pachinko game machine controllable in the advantageous specific game state, for a game person according to specific condition formation.

periodically and counted value exceeds maximum. value of the counter which returns to initial value, if it generally counts up be determined. A random number value will be acquired by extracting the counted beforehand that a random number value will be, considering as "great success" will generated, and if in agreement with the great success decision value it is decided machine, if predetermined conditions are satisfied, a random number will be to a game person in a pachinko game machine, in the game control in such a game many premium spheres etc. may be given to a game person, as a state advantageous [0003] Although there is a specific game state (great success game state) where conditions of awarded-balls expenditure become easy to be satisfied. where a hit ball tends to win a prize, for a bird clapper and a game person, and the machine being in a state advantageous to the advantageous state for a game person winning-a-prize sphere equipment prepared in the game field of for example, a game a bird clapper at the state where generating the right for the state of adjustable that predetermined game value might be given to a game person. Game value is with predetermined conditions are satisfied, there are some which were constituted so pay out to a game person. Furthermore, when the game is performed and the game field, there are some which the awarded balls of a predetermined individual wins a prize of winning-a-prize fields, such as a winning-a-prize mouth prepared in sphere, are discharged to a game field with a launcher, and when a game medium [Description of the Prior Art] As a game machine, game media, such as a game [0000]

[0004] Since the counted value of a counter is counted up periodically, if the period of count—up and the period which the counted value of a counter carries out I round are detected with a certain means, the timing which generates the random number value which is in agreement with a great success decision value will become possible to generate "great success" frequently by performing the game which aimed at the timing which the random number value which is in agreement with a great success decision value generates. An inaccurate substrate agreement with a great success decision value generates. An inaccurate substrate agreement with a great success decision value generates. An inaccurate substrate

produces "great success" from the exterior. it will become difficult to aim at generating of a random number value which counted value to a specific value is proposed. If such counter control is performed, produces "great success", making it return to a random value rather than returning the unjust signal which aimed at generating of a random number value which [0005] If counted value reaches maximum in order to prevent the malteasance by profit will arise at the game store in which the game machine is installed. the timing, and to generate "great success" unjustly. Consequently, disadvantageous send a predetermined signal to the circuit portion which performs game control to decision value generates. And it becomes possible for an inaccurate substrate to timing which the random number value which is in agreement with a great success portion which performs game control based on the signal, and has detected the shell exterior which performs game control, detected the starting timing of a circuit Such an inaccurate substrate introduced the signal outputted to the circuit partial number value which is in agreement with a great success decision value generates.

other than the numeric value used in order to determine whether consider as a predetermined value from the game opportunity outside also with numeric values value can make it difficult to specify the timing which is in agreement with a [0007] Then, this invention aims at offering the game machine with which a numeric value, sufficient measures are not taken to those random numbers. a game machine and a random number value is in agreement with a predetermined number used in order to determine whether it considers as a specific game state as state for a game person if various random numbers are used besides the random although the game machine is constituted so that it may be in the advantageous random number value which produces a specific game state are taken. However, preventing the malfeasance by the unjust signal which aimed at generating of a [Problem(s) to be Solved by the Invention As mentioned above, the measures for [9000]

specific game state.

judgment of a numeric value for the number of times of an upper limit is extracted. It predetermined condition formation, the numeric value of the renewal means for a within the limits (for example, random counter for generating 6), Based on upper limit of the round in a specific game state by predetermined numeric-value value for a judgment used for the judgment of the number of times of a continuation a numeric value for the number of times of an upper limit to update the numeric continuation conditions in a specific game state. A renewal means for a judgment of times of a continuation upper limit in a predetermined round based on formation of formation. It is possible to make it continue repeatedly until it reaches the number of advantageous specific game state for a game person according to specific condition the game machine by this invention is a game machine controllable in the [Means for Solving the Problem] A game person performs a predetermined game and [8000]

a-prize equipment specially based on the extracted numeric value and a make a decision in connection with internal structure change of adjustable winningmeanses (for example, CPU56, especially processing of Steps S86 and S502 etc.) to internal structure change is extracted. It has internal structure change determination the numeric value of the renewal means for a judgment of a numeric value for example, random 6 ] for generating 10), Based on predetermined condition formation, equipment by predetermined numeric-value within the limits (random counter [ For in connection with internal structure change of adjustable winning-a-prize change to update the numeric value for a judgment specially used for the judgment equipment. A renewal means for a judgment of a numeric value for internal structure specific acceptance mouth 242) specially prepared in adjustable winning-a-prize in connection with the inflow of the game medium to the specific field (for example, adjustable winning-a-prize equipment It is possible to change the internal structure advantageous state for the game person in the specific game state. specially adjustable winning-a-prize sphere equipment 220) which can change to an equipped with the special adjustable winning-a-prize equipment (for example, for a game person according to specific condition formation. It is the game machine other modes by this invention can control it in the advantageous specific game state [0009] A game person can perform a predetermined game and the game machine of predetermined decision value becomes unfixed. numeric value for the number of times of an upper limit corresponds with a timing whose numeric value updated with the renewal means for a judgment of a the number determination of rounds). It is characterized by controlling so that the numeric value and a predetermined decision value (for example, decision value for continuation upper limit of the round in a specific game state based on the extracted especially processing of Step S65 etc.) to determine the number of times of a has number-of-times determination meanses of an upper limit (for example, CPU56,

decision value becomes unfixed.
[0010] The internal structure change determination means may be constituted so that a decision in connection with internal structure change of the special adjustable winning—a-prize equipment in a specific game state may be made.

predetermined decision value (for example, value corresponding to the advantageous

internal structure for a game person). It is characterized by what (for example, processing of Steps S214-S217 or Steps S224-S227) is controlled so that the timing whose numeric value updated with the renewal means for a judgment of a numeric value for internal structure change corresponds with a predetermined

that a decision in connection with internal structure change of the special adjustable winning—a—prize equipment in a specific game state may be made.

[0011] The internal structure change determination means may be constituted so winning—a—prize equipment after a specific game state end may be made.

[0012] It has the special adjustable display (for example, adjustable display 9) which can change a display state. It is a game machine controllable in the specific game can change a display state. It is a game machine controllable in the specific game are the specific game machine controllable in the specific game.

medium to a field (for example, specially equipment operating space 544) specially on from which a display state can change. It is the game machine which guides a game [0015] It has the judgment adjustable display (for example, adjustable display 512) disadvantageous state for a game person specially may be generated. prize sphere equipment 555) in the advantageous state for a game person from the controls adjustable winning-a-prize equipment (for example, adjustable winning-agenerating state. It may be constituted so that the specific game state which starting winning-a-prize equipment 520) during the period which is in the right (for example, starting mouth switch 520a) prepared in the starting field (for example, based on the game medium having been detected by the starting detection means specially equipment operating space 544), it will be in a right generating state. It is means (for example, sensor 544a) specially prepared in the field (for example, [0014] On condition that the game medium was detected with the special detection the 1st state specially may be generated. specific mode still more advantageous to a game person than starting operation in the specific game state which controls adjustable winning-a-prize equipment by the established in adjustable winning-a-prize equipment it may be constituted so that detector 248) which detects a game medium in the specific field specially game person. By detection of a specific detection means (for example, specific ball 1st state advantageous to a game person from the 2nd state disadvantageous for a a-prize sphere equipment 220) which performs starting operation which will be in the has special adjustable winning-a-prize equipment (for example, adjustable winningexample, starting winning-a-prize mouths 204a-204c) established in the game field It detectors 205a-205c) which detects a game medium in the starting field (for [0013] By detection of a starting detection means (for example, starting ball constituted like (for example, steps \$104-\$107) display corresponds with a specific decision value becomes unfixed -- it may be updated with the renewal means for a judgment of a numeric value for an adjustable specific display mode, it controls so that the timing whose numeric value specially determine specially that the display result in an adjustable display will consider as a determination means (for example, CPU56, especially processing of Step S54) to in agreement with a specific decision value, it has a specific display mode for an adjustable display is extracted specially. When the extracted numeric value is formation, the numeric value of the renewal means for a judgment of a numeric value example, random counter for generating 1), Based on predetermined condition adjustable display specially by predetermined numeric-value within the limits (for judgment used for the judgment of whether to display a specific display mode in an of a numeric value for a special adjustable display to update the numeric value for a should put together) defined beforehand specially. A renewal means for a judgment specific display mode (for example, the pattern which generates great success

condition that the display result in a judgment adjustable display became the special display mode defined beforehand. A renewal means for a judgment of a numeric

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power supply is restored after the electric power supply to a game machine stopped, counter for generating random 10 or random 12 is memorized. when an electric random 5, and random 6, The numeric value of the counter for generating the counter for generating 1 --) The counter for generating the counter for generating renewal means for a judgment of a numeric value (for example, random -- the power supply to a game machine stops. a change data-storage means -- the example, backup RAM) which can hold the memorized data even if the electric [0017] A predetermined period is equipped with the change data-storage means (for like (for example, \$204-5207, \$304-5307, Steps \$404-5407) decision value for an adjustable display becomes unfixed -- it may be constituted a judgment of a numeric value for an adjustable display usually corresponds with the so that the timing whose numeric value usually updated with the renewal means for display result in an adjustable display into a predetermined display mode. it controls CPU56, especially steps S27, S87, and S337) to determine to usually make the adjustable display, it has a common display mode determination means (for example, extracted numeric value is usually in agreement with the decision value for an judgment of a numeric value for an adjustable display is usually extracted. When the predetermined condition formation, the numeric value of the renewal means for a value within the limits (for example, random counter for generating 5), Based on a predetermined display mode in an adjustable display by predetermined numericthe numeric value for a judgment used for the judgment of whether to usually display means for a judgment of a numeric value usually for an adjustable display to update prize sphere equipment 220, and the common electric accessory 550), A renewal example, (adjustable winning-a-prize sphere equipment 15, adjustable winning-astate for a game person -- adjustable winning-a-prize equipment usually For mode (for example, hit pattern) defined beforehand, it changes to the advantageous the display result in an adjustable display usually became the predetermined display pattern display [ For example, usually the pattern drop 10 1 510), on condition that [0103] The common adjustable display which can change a display state (usually the decision value for a judgment adjustable display becomes unfixed. for a judgment of a numeric value for a judgment adjustable display corresponds with controlled so that the timing whose numeric value updated with the renewal means special display mode. It is characterized by what (for example, steps \$324-\$327) is S336) to determine to make the display result in a judgment adjustable display into a judgment display mode determination means (for example, CPU56, especially step agreement with the decision value for a judgment adjustable display, it has a judgment adjustable display is extracted. When the extracted numeric value is in numeric value of the renewal means for a judgment of a numeric value for a random counter for generating 12), Based on predetermined condition formation, the adjustable display by predetermined numeric-value within the limits (for example, used for the judgment of whether to display a display mode special at a judgment value for a judgment adjustable display to update the numeric value for a judgment

it is possible to continue renewal of the numeric value of the renewal means for a judgment of a numeric value based on the numeric value currently held at the change data-storage means — it may be constituted like (for example, game state restoration processing of Step S10)

[0018] the renewal means for a judgment of a numeric value (for example, random — the counter for generating 1 —) The counter for generating the counter for generating 10 — or random — the counter for generating 10 — or random — a renewal means for initial value of a numeric value (for example, random — the counter for generating 7 —) to update the numeric value for initial value of the numeric value of the counter for generating 12. The counter for generating the counter for generating random 3, and random 13, and an initial value change means counter for generating random 11, or random 13, and an initial value change means of the renewal means for a judgment of a numeric value of the renewal means for a judgment of a numeric value for sinitial value if the numeric value of the renewal means for a judgment of a numeric value for Steps S104–S107, Steps S114–S117, and Steps S124–S127, By Steps S204–S207, Steps S324–S327 It may be constituted so that the timing which is in agreement with a decision value becomes unfixed and it may control.

with a decision value becomes unfixed and it may control. [0019] It has the game control means (CPU56 grade) which control advance of a game. game control means According to generating of interruption generated periodically, game control processing (Step S21 – S32 grade) is performed. the renewal means for initial value of a numeric value (for example, random — the counter for generating 11 — or generating the counter for generating 11 — or random — the time which game control processing takes to the numeric value of the counter for generating 13 — it may be constituted so that it may be repeatedly updated not for generating 13 — it may be constituted so that it may be repeatedly updated not

for generating 13 — it may be constituted so that it may be repeatedly updated not much in time (for example, steps S16-S19) [0020] Being set as an interrupt inhibition state is desirable during the processing which updates the numeric value of the renewal means for initial value of a numeric

value in time not much (for example, step 516). [0021] A predetermined period is equipped with the change data-storage means (for example, backup RAM) which can hold the memorized data even if the electric power supply to a game machine stops. a change data-storage means — the renewal means for initial value of a numeric value (for example, random — the counter for generating 1 —) The counter for generating the counter for generating the counter for generating the counter for generating the numeric value of the counter for generating the counter for generating random 11 or random 13 is memorized, when an electric power supply is restored after the electric power supply to a game machine stopped, it is possible to continue renewal of the numeric value of the renewal means for initial value of a numeric value based on the numeric value currently held at the initial value of a numeric value based on the numeric value currently held at the

and the various parts (except for the game board mentioned later) attached in them. outer frame, the mechanism board with which a mechanism element etc. is attached, containing the front frame (not shown) installed free L opening and closing L to an frame possible \ opening and closing ] a frame. A game frame is the structure I has the glass door frame 2 formed in the shape of [ which is prepared in the game [ opening and closing ] inside the outer frame. Moreover, the pachinko game machine in the shape of [ longwise ] a rectangle, and a game frame attached possible [0025] The pachinko game machine 1 consists of an outer frame (not shown) formed game board. the transverse plane, and drawing 2 are the front view showing the front face of the explained. The front view with which drawing I saw the pachinko game machine from whole 1st sort pachinko game machine which is an example of a game machine is reference to a drawing below gestalt 1. of operation. First, the composition of the [Embodiments of the Invention] I operation gestalt of this invention is explained with [0024] generating 12 may be constituted so that it may be contained in game control means 6 -- random -- the counter for generating 10 -- or random -- the counter for --) random -- the counter for generating 5 -- random -- the counter for generating a judgment of a numeric value (for example, random -- the counter for generating 1 based on the command transmitted from game control means, the renewal means for sound generating means (for example, loudspeaker 27) prepared in the game machine game, and the sound control means (CPU701 for sound control) which control the [0023] It has the game control means (CPU56 grade) which control advance of a contained in game control means -- or random -- the counter for generating 12 may be constituted so that it may be random -- the counter for generating  $\theta$  -- random -- the counter for generating 10 -- the counter for generating 1 -- random -- the counter for generating 5 --52 grade. the renewal means for a judgment of a numeric value (for example, random perform control of \*\*\*\* lamp 28c, the awarded-balls lamp 51, and sphere piece lamp means It has the emitter control means (CPU351 grade for ramp control) which control means (CPU56 grade) which control advance of a game, and game control prepared in the game machine based on the command transmitted from the game storage drop 41, the ornament lamp 25, \*\*\*\* lamp 28a, and left frame lamp 28b ---[0022] the emitter (the starting storage drop 18 -- usually -- the pattern starting restoration processing of Step 510) change data-storage means -- it may be constituted like (for example, game state

formed in the lower part of the hit ball supply pan 3. The game board 6 is attached in

[0026] As shown in drawing 1, the pachinko game machine 1 has the glass door frame 2 formed in the shape of a frame. The hit ball supply pan (upper pan) 3 is shown in the lower front face of the glass door frame 2. The hit ball operation handle (operating knob) 5 which discharges the surplus sphere saucer 4 which stores the game sphere which cannot be held in the hit ball supply pan 3, and a hit ball is

the tooth back of the glass door frame 2 removable. In addition, the game board 6 is the structure containing the plate which constitutes it, and the various parts attached in the plate. Moreover, the game field 7 is formed in the front face of the

game board 6.

[0027] The adjustable display (specially adjustable display) 9 containing two or more adjustable displays to which each indicates the pattern as identification information by adjustable is formed near the center of the game field 7. Three adjustable displays (pattern display area), the "left", "inside", and the "right", are shown in the adjustable display 9, the starting winning-a-prize mouth 14 is formed. The winning-a-prize sphere included in the starting winning-a-starting mouth switch 14s. Moreover, the adjustable winning-a-prize sphere equipment 15 which performs switching action is formed in the lower part of the equipment 15 which performs switching action is formed in the lower part of the starting winning-a-prize mouth 14. Adjustable winning-a-prize sphere equipment 15 which performs switching action is formed in the lower part of the starting winning-a-prize mouth 14. Adjustable winning-a-prize sphere equipment 15 which performs switching action is formed in the lower part of the starting winning-a-prize mouth 14. Adjustable winning-a-prize sphere equipment 15 which performs switching action is formed in the lower part of the starting winning-a-prize mouth 14.

starting storage drop 41 which has a display by four Light Emitting Diodes which storage will usually be increased one. Near the pattern drop 10, the common pattern display state usually changes in the pattern drop 10, the value of pattern starting started. If it is not in the state which can start the adjustable display from which a drop 10, the adjustable display of a display of the pattern drop 10 will usually be start the adjustable display from which a display state usually changes in the pattern predetermined random number value is extracted. And if it is in the state which can 32a and pattern starting storage has not usually reached an upper limit, a [0029] If a game sphere wins a prize of the gate 32, it is detected by gate switch display 9 is started, Light Emitting Diode to turn on is reduced by one. Emitting Diode to turn on one. And whenever the adjustable display of the adjustable effective starting winning a prize, the starting storage drop 18 increases Light included in the starting winning-a-prize mouth 14, is formed. Whenever there is number of effective winning-a-prize spheres, i.e., number of starting storage, Emitting Diodes which display on the lower part of the adjustable display 9, the pattern starting storage drop (henceforth a starting storage drop) 18 by four Light mouth is also prepared in the tooth back of the game board 6. Moreover, the special count switch 23. Solenoid 21A for switching the path in a large winning-a-prize winning-a-prize sphere from the opening-and-closing board 20 is detected by the opening-and-closing board 20 is detected by V winning-a-prize switch 22, and the the winning-a-prize spheres led to the tooth back of the game board 6 from the which it went on the other hand (V winning-a-prize field as a specific field) among to open and close a large winning-a-prize mouth. The winning-a-prize sphere into winning-a-prize sphere equipment 15. The opening-and-closing board 20 is a means state (great success state) is formed is installed in the lower part of adjustable and-closing board 20 made an open state by the solenoid 21 in a specific game [0028] The adjustable winning-a-prize sphere equipment 24 with which the openingis made an open state by the solenoid 16.

usually display the number of pattern starting storage is usually formed. Whenever winning a prize to the gate 32 is, the pattern starting storage drop 41 usually increases Light Emitting Diode to turn on one. And whenever the adjustable display of the pattern drop 10 is usually started, Light Emitting Diode to turn on is reduced by one. In addition, it can also constitute so that the pattern may usually be specially indicated by adjustable with one adjustable display with a pattern. In this case, an adjustable display is usually specially realized by one adjustable display with case, an adjustable display is usually specially realized by one adjustable display with

an adjustable display. [0030] With the gestalt of this operation, when a lamp (the check by looking of a pattern is attained at the time of lighting) on either side lights up by turns, an adjustable display is performed and predetermined—time (for example, 29 seconds) hand side lamp lights up at the time of the end of an adjustable display. It is determined by whether the value of consider [ it \ as a hit ] of the random number extracted when a game sphere won a prize of the gate 32 corresponded with the predetermined hit decision value. The display result of the adjustable display in the pattern drop 10 usually hits and comes out, and it will be in the state where in a certain case adjustable winning—a-prize sphere equipment 15 will be in an open state only in the number of times of predetermined, and a predetermined time, and a game sphere tends to win a prize. That is, the halt pattern of a pattern usually hits, and the state of adjustable winning—a-prize sphere equipment 15 changes from the disadvantageous state for a game person to an advantageous state, when it is a disadvantageous state for a game person to an advantageous state, when it is a

pattern. [0031] Furthermore, in the probability-changing state, while the probability which the halt pattern in the pattern drop 10 usually hits, and becomes a pattern is raised, inner one side or the inner both sides of the released time of adjustable winning-aprize sphere equipment 15 and the number of times of opening is raised, and it becomes still more advantageous for a game person. Moreover, you may make it become still more advantageous to a game person in the predetermined state, such become still more advantageous to a game person in the predetermined state, such as a probability-changing state, by usually shortening the adjustable display period as a probability-changing state, by usually shortening the adjustable display period

(change time) in the pattern drop 10. [0032] In the game board 6, two or more winning—a-prize mouths 29, 30, 33, and 39 are formed, and winning a prize to the winning—a-prize mouth switches 29a, 30a, 33a, and 39a, respectively. On the outskirts of right and left of the game field 7, the ornament mouth 25 by which it is indicated by blink is formed into a game, and there is an out mouth 26 which absorbs the hit ball which did not win a prize in the lower part. Moreover, two loudspeakers 27 which emit a sound effect are formed in the right—and—left upper part of the outside of the game field 7. \*\*\*\* lamp 28a, left frame lamp 28b, and \*\*\*\* lamp 28c are prepared in the periphery of the game field 7. \*\*\*\* lamp Furthermore, Ornament Light Emitting Diode is installed in the circumference of each structures (large winning—a-prize mouth etc.) in the game field 7. \*\*\*\* lamp each structures (large winning—a-prize mouth etc.) in the game field 7. \*\*\*\* lamp

and the card unit 50 which makes a sphere loan possible is also shown by by Furthermore, the pachinko game machine 1 is adjoined, it is installed in drawing 1, 52 turned on when a supply sphere goes out is formed near the \*\*\*\* lamp 28a. number of \*\*\*\*\*\* is formed near the left frame lamp 28b, and the sphere piece lamp [0033] And in this example, the awarded-balls lamp 51 turned on when there is the are examples of the ornament emitter prepared in the game machine. 28a, left frame lamp 28b, \*\*\*\* lamp 28c, and Light Emitting Diode for an ornament

inserted, and a card slot 155, the card unit lock 156 for releasing the card unit 50 is reader writer prepared in the rear face of the card slot 155 in which a \*\* card is game machine 1, and the card unit 50 When checking the mechanism of a card in which it is shown whether the card unit 50 corresponds to which near pachinko in the shown use good display lamp 151, the direction drop 153 of a connection base display lamp 154 and record medium in which it is shown that the card is thrown in [0034] To the card unit 50 Whether it is in an usable state As the card injection inserting a prepaid card.

specially. If it is not in the state which can start the adjustable display of a pattern, 14a, in the adjustable display 9, a pattern will begin an adjustable display (change) into the starting winning-a-prize mouth 14 and is detected by starting mouth switch the state which can start the adjustable display of a pattern when a hit ball goes field 7 through a hit ball rail, and gets down from the game field \ after that. If it is in [0035] The game sphere discharged from the hit ball launcher goes into the game formed.

opening-and-closing board 20 will be performed again. Number-of-times (for V winning-a-prize switch 22, the right of continuation will occur and opening of the prize field during opening of the opening-and-closing board 20 and it is detected by example, ten pieces) wins a prize. And if a game sphere wins a prize to V winning-acarries out fixed time progress, or until the hit ball of the predetermined number (for great success game state. That is, it opens until the opening-and-closing board 20 time of a halt shifts that it is a great success pattern (specific display mode) to a turned off when fixed time passes. The combination of the special pattern at the [0036] The adjustable display of the special pattern in the adjustable display 9 is the number of starting storage will be increased one.

[0037] When the combination of the special pattern in the adjustable display 9 at the the right of continuation is carried out. example, a maximum of 15 rounds) permission of predetermined of the generating of

a great success becomes high. Namely, it will be in the still more advantageous state figure) accompanied by probability change, the probability which is next becoming it time of a halt is the combination of the great success pattern (probability-changing

equipment 24 can change to a state advantageous to a game person. adjustable winning-a-prize equipment from which adjustable winning-a-prize sphere [0038] In addition, with the gestalt of this operation, it is equivalent to the special for a game person called a probability-changing state.

substrate 190. switch 921 and other substrates of main substrate 31 grade is formed in the switch board 37 grade) was carried is formed. The connector 922 connected with the clear halt, included in each substrate (the main substrate 31 and expenditure control i.e., backup, which can hold the content also at the time of an electric power supply maintenance means of storage, for example, the change data-storage means (RAM), operation means for clearing the backup data memorized by the content [0042] Furthermore, the switch substrate 190 in which the clear switch 921 as an opportunity exterior is installed near the center. outputting the various information from the main substrate 31 to the game Moreover, the information terminal board 34 equipped with each terminal for external output of the number signal are prepared in the terminal substrate 160. and the terminal for a sphere loan for carrying out ball rental and carrying out the and carrying out an external output and the awarded-balls number signal at least terminal for sphere pieces for introducing the output of a sphere piece pilot switch is installed. The terminal for awarded balls for carrying out the external output of the each terminal for outputting various information to the game opportunity exterior up [0041] In the game machine rear face, the terminal substrate 160 equipped with DC12V, and DC5V was carried again, and the discharge control board 91 are formed. power supply substrate 910 in which the power circuit which creates DC30V, DC21V, sound generating from a loudspeaker 27 were carried are also formed. Moreover, the and the sound control board 70 in which the sound control means which control \*\*\*\* lamp 28c, the awarded-balls lamp 51, and the sphere piece lamp 52 was carried, the ramp-control means which carries out lighting control of left frame lamp 28b, frame side prepared in the game board 6, The ramp-control substrate 35 in which 28a usually prepared in the pattern starting storage drop 41, ornament lamp 25, and various ornaments Light Emitting Diode, the starting storage drop 18, and \*\*\*\* lamp which performs sphere expenditure control was carried is installed. Furthermore, the expenditure control board 37 in which the microcomputer for expenditure control which controls the adjustable display 9 were carried is installed. Moreover, the a microcomputer for game control, etc. containing the pattern control board 80 control board (the main substrate) 31 in which the adjustable display-control unit 49, [0400] As shown in drawing 3, in the game machine rear-face side, the game the game machine from the rear face. explained with reference to drawing 3. Drawing 3 is the rear view which looked at [0039] Next, the structure of the rear face of the pachinko game machine I is

[0043] The game sphere stored by the reservoir tank 38 passes along a guidance rail, and results in the sphere expenditure equipment covered by awarded-balls case 40A. The sphere piece switch 187 as a game medium piece detection means is formed in the upper part of sphere expenditure equipment. The sphere piece switch's 187 detection of a sphere piece stops expenditure operation of sphere expenditure equipment. Although the sphere piece switch 187 is a switch which detects the equipment.

performs supply of a game sphere from the supply mechanism prepared in the game The sphere piece pilot switch's 167 detection of shortage of a game sphere formed in the upper portion (portion close to the reservoir tank 38) in a guidance rail. 167 which detects shortage of the supply sphere in the reservoir tank 38 is also existence of the game sphere in a game sphere path, the sphere piece pilot switch

48 (not shown in drawing 3) turns on. In the state, while rotation of the expenditure the surplus sphere saucer 4. If a game sphere furthermore pays out, the full switch supply pan 3 fills and a game sphere pays out further, a game sphere will be led to Learry out ball rental and 1 a demand based on winning a prize pay out, the hit ball [0044] If many the game spheres as a premium and the game spheres based on machine installation island to a game machine.

[0045] Drawing 4 is the block diagram showing an example of the circuitry in the equipment stops, the drive of a launcher is also stopped. motor in sphere expenditure equipment stops and operation of sphere expenditure

20, and a large winning-a-prize mouth according to the instructions from the basic equipment 15, the solenoid 21 which open and close the opening-and-closing board path in the solenoid 16 which opens and closes adjustable winning-a-prize sphere basic circuit 53, The solenoid circuit 59 which drives solenoid 21A for switching the awarded-balls count switch 301A, and the signal from the clear switch 921 to the switching circuit 58 which gives the full switch 48, the sphere piece switch 187, the count switch 23, the winning-a-prize mouth switches 29a, 30a, 33a, and 39a, The program, Gate switch 32a, starting mouth switch 14a, V winning-a-prize switch 22, controls the pachinko game machine I in the main substrate 31 according to a pattern control board 80 are also shown in drawing 4. The basic circuit 53 which substrate 35, the sound control board 70, the discharge control board 91, and the main substrate 31. In addition, the expenditure control board 37, the ramp-control

i.e., a switch is an example of a game medium detection means. operations that what is called the sensor is sufficient as what is called the switch, which a game sphere is detectable. It is same also with the gestalt of other is a game medium detection means (this example game sphere detection means) by count switch 301A, may be called the sensor. That is, the name will not be asked if it 33a, and 39a, the full switch 48, the sphere piece switch 187, and awarded-balls a-prize switch 22, the count switch 23, the winning-a-prize mouth switches 29a, 30a, Moreover, switches, such as gate switch 32a, starting mouth switch 14a, V winningsignal is also transmitted to the basic circuit 53 through a switching circuit 58. [0046] In addition, although not shown in drawing 4, a count switch short circuit circuit 53 is carried.

adjustable display start of the pattern in the adjustable display 9, and probabilitywhich shows the number of the starting winning-a-prize sphere used for the according to the data given from the basic circuit 53, effective starting information signals, such as great success information which shows generating of great success [0047] Moreover, the information output circuit 64 which outputs information output

changing information which shows that probability change arose, to external devices,

such as a hole computer, is carried. [0048] The basic circuit 53 contains RAM55 as ROM54 which memorizes the program for game control etc., and a storage means (a means to memorize change data) used as work memory, CPU56 which performs control action according to a program, and the I/O Port section 57. With the gestalt of this operation, ROM54 and RAM55 are built in CPU56. That is, CPU56 is 1 chip microcomputer. In addition, that, as for 1 chip microcomputer, RAM55 should just be built in at least, even if ROM54 and the I/O Port section 57 are external they may be built in an experience of the latest and the I/O Port section 57 are external they may be built in an external that are least, even if ROM54 and the I/O Port section 57 are external they may be built in

and the I/O Port section 57 are external, they may be built in. [0049] moreover, the backup power supply by which a part or all of RAM (you may the Dackup RAM backed up That is, even if the electric power supply to a game machine stops, the part or all the contents of RAM55 are saved for a predetermined

period. [0050] The hit ball launcher which hits a game sphere and is discharged is driven with the drive motor 94 controlled by the circuit on the discharge control board 91. And the driving force of a drive motor 94 is adjusted according to the control input of an operating knob 5. That is, it is controlled by the circuit on the discharge control board 91 so that a hit ball is discharged at the speed according to the control board 91 so that a hit ball is discharged at the speed according to the

control input of an operating knob 5. [0051] In addition, with the gestalt of this operation, the ramp-control means carried in the ramp-control substrate 35 performs the display control of the starting storage drop 18 formed in the game board, \*\*\*\* lamp prepared in frame side while usually performing display control of pattern starting storage drop 41 and ornament lamp 25 28a, left frame lamp 28b, \*\*\*\* lamp 28c, the awarded-balls lamp 51, and the sphere piece lamp 52. The emitter of the kind of Light Emitting Diode and others is sufficient as each lamp, and the emitter of other kinds is sufficient also as Light Emitting Diode used with the gestalt of this operation, and the gestalt of other operations. That is, a lamp and Light Emitting Diode are examples of an emitter. Moreover, it is performed by the adjustable display 9 and the display-control [ which usually indicates the pattern by adjustable ] means by which the display control of the pattern drop 10 is usually carried in the pattern control board 80 which indicate

the pattern by adjustable specially. [0052] Drawing 5 is LCD (liquid crystal display)82 which is the example of 1 realization of the adjustable display 9 about the circuitry in the pattern control board 80, and a block diagram usually shown with the output port (ports 0 and 2) 570,572 and the output-buffer circuits 620 and 62A of the pattern drop 10 and the main substrate 31. From an output port (output port 2) 572, 8-bit data are outputted and a 1-bit strobe signal (IMT signal) is outputted from an output port 570. [0053] CPU101 for display controls will receive a display-control command through input-buffer circuit 105A, if it operates according to the program stored in control compand and a noise filter 105 and input-data ROM102 and an IMT signal is inputted through a noise filter 107 and input-data ROM102 and an IMT signal is inputted through a noise filter 107 and input-

buffer circuit 105B from the main substrate 31. 74HC540 and 74HC14 which are general-purpose IC can be used as input-buffer circuits 105A and 105B. In addition, when CPU101 for display controls does not build in the I/O Port, an I/O Port is prepared between the input-buffer circuits 105A and 105B and CPU101 for display

controls. [0054] And CPU101 for display controls performs the display control of the screen displayed on LCD82 according to the received display—control command. Specifically, VDP103 reads required data from a character ROM 86. VDP103 generates the image data from a character ROM 86. VDP103 generates the image with the control command are given to VDP103.

signal, and a synchronizing signal to LCD82. [0055] In addition, the character ROM 86 which stores the oscillator circuit 85 for giving a clock of operation to the reset circuit 83 for resetting VDP103 and VDP103 and variety and image data with high operating frequency in drawing 5 is shown. The image data with the high operating frequency stored in a character ROM 86 is a picture which with the high operating frequency stored in a character ROM 80 is a picture which consists of the person and animal which are displayed on LCD82 or a character, a

figure, or a sign. [0056] The input-buffer circuits 105A and 105B can pass a signal only in the direction which goes to the pattern control board 80 from the main substrate 31. Therefore, there is no room to transmit a signal from the pattern control board 80 side to the main substrate 31 side. Namely, as for the input-buffer circuits 105A and 105B, input port constitutes an irreversible information input means. Even if unjust reconstruction is added to the circuit in the pattern control board 80, the signal reconstruction is added to the circuit in the pattern control board 80, the signal outputted by unjust reconstruction does not get across to the main substrate 31 outputted by unjust reconstruction does not get across to the main substrate 31

side. [0057] As a noise filter 107 which intercepts a RF signal, although for example, 3 terminal capacitor and a ferrite bead are used, though a noise rides on a display—control command between substrates, the influence is removed by existence of a noise filter 107. Moreover, you may prepare a noise filter also in the output side of

the buffer circuits 620 and 62A of the main substrate 31.

[0058] Drawing 6 is the block diagram showing the signal transceiver portion in the main substrate 31 and the ramp-control substrate 35. With the gestalt of this operation, the ramp-control command which shows \*\*\*\* lamp 28a prepared in the lights of the game field 7, left frame lamp 28b, \*\*\*\* lamp 28c, lighting/putting out lights of the game field 7, left frame lamp 28b, \*\*\*\* lamp 28c, lighting/putting out lights of the awarded-balls lamp 51 and the sphere piece lamp 52 is outputted to the lights of the awarded-balls lamp 51 and the sphere piece lamp 52 is outputted to the samp-control substrate 35 from the main substrate 31. Moreover, the starting storage drop 18 and the ramp-control substrate 41 are also outputted to the ramp-number of the pattern starting storage drop 41 are also outputted to the ramp-number of the pattern starting storage drop 41 are also outputted to the ramp-number of the pattern starting storage drop 41 are also outputted to the ramp-

control substrate 35 from the main substrate 31. [0059] As shown in drawing 6, the ramp-control command about ramp control is outputted from the output port (output ports 0 and 3) 570,573 of the I/O Port

section 57 in the basic circuit 53. An output port (output port 3) 573 outputs 8-bit data, and an output port 570 outputs a 1-bit INT signal. In the ramp-control substrate 35, the control command from the main substrate 31 is inputted into CPU351 for ramp control through the input-buffer circuits 355A and 355B. In addition, when CPU351 for ramp control does not build in the I/O Port, an I/O Port is prepared between the input-buffer circuits 355A and 355B and CPU351 for ramp

control. [0060] In the ramp-control substrate 35, CPU351 for ramp control outputs [0060] In the ramp-control substrate 35, CPU351 for ramp control outputs lighting/putting-out-lights signal to \*\*\*\* lamp 28c, and the ornament lamp 25 according to lighting/putting-out-lights pattern of \*\*\*\* lamp 28c, and the ornament lamp 25. Lighting/putting-out-lights signal is outputted to \*\*\*\* lamp 28c, and the ornament lamp 25. Lighting/putting-out-lights signal is outputted to \*\*\*\* lamp 28c, and the ornament lamp 25. In addition, lighting/putting-out-lights pattern is memorized by Built-in lamp 25. In addition, lighting/putting-out-lights pattern is memorized by Built-in

ROM or external ROM of CPU351 for ramp control. [0061] In the main substrate 31, CPU56 outputs the control command which directs lighting of the awarded-balls lamp 51, when the non-paid out number of \*\*\*\*\* is in the content of storage of RAM55, and if the sphere piece switch 187 (refer to drawing 3) currently installed in the upstream of the expenditure sphere path on the output the control command which directs lighting of the sphere piece lamp 52. In the ramp-control substrate 35, each control command is inputted into CPU351 for ramp control through the input-buffer circuits 355A and 355B. CPU351 for ramp control responds to those control command, and turns on \substrate switches off the awarded-balls lamp 51 and the sphere piece lamp 52. In addition, lighting/putting—swarded-balls lamp 51 and the sphere piece lamp 52. In addition, lighting/putting—out-lights pattern is memorized by Built-in ROM or external ROM of CPU351 for out-lights pattern is memorized by Built-in ROM or external ROM of CPU351 for out-lights pattern is memorized by Built-in ROM or external ROM of CPU351 for

ramp control. [0062] Furthermore, CPU351 for ramp control outputs lighting/putting-out-lights signal to the starting storage drop 18 and the common pattern starting storage drop

41 according to control command. [0063] 74HC540 and 74HC14 which are general-purpose CMOS-IC are used as input-buffer circuits 355A and 355B. The input-buffer circuits 355A and 355B can pass a signal only in the direction which goes to the ramp-control substrate 31. Therefore, there is no room to transmit a signal from the ramp-control substrate 35 side to the main substrate 31 side. Even if unjust reconstruction is added to the circuit in the ramp-control substrate 35, the signal outputted by unjust reconstruction will not get across to the main substrate 31 side. In addition, you may prepare a noise filter in the input side of the input-buffer in addition, you may prepare a noise filter in the input side of the input-buffer.

circuits 355A and 355B. [0064] Moreover, in the main substrate 31, buffer circuits 620 and 63A are formed in the outside of an output port 570,573. 74HC250 and 74HC14 which are general—purpose CMOS-IC are used as buffer circuits 620 and 63A. Since the signal inputted

into the interior of the main substrate 31 is prevented from the exterior according to such composition, the signal line by which a signal may be given to the main substrate 31 from the ramp—control substrate 70 can be lost still more certainly. In addition, you may prepare a noise filter in the output side of buffer circuits 620 and

10065] In addition, the sending-out timing of the ramp-control command transmitted from the game control means of the main substrate 31 the updating period of the counted value of the counter for generating each random number for a judgment by game control means — synchronizing (since it performing by the game control processing performed every [ both ] 2ms) — Since the processing time of CPU351 processing performed every [ both ] 2ms) — Since the processing time of CPU351 for ramp control intervenes, the timing of lighting/putting period of the counted value of the counter for generating each random number for a judgment.

[0066] Drawing 7 is the block diagram showing the example of composition of the signal transmitting portion of the sound control command for directing the sound control control board 70. With the gestalt of this operation, the sound control command for directing the sound output of the loudspeaker 27 prepared in the command for directing the sound output of the loudspeaker 27 prepared in the outside of the game field 7 according to game advance is outputted to the sound control board 20 from the main substrate 31.

control board 70 from the main substrate 31. [0067] As shown in drawing 7, sound control command is outputted from the output port (output ports 0 and 4) 570,574 of the I/O Port section 57 in the basic circuit 53. From an output port (output port 4) 574, 8-bit data are outputted and a 1-bit INT signal is outputted from an output port 570. In the sound control board 70, each signal from the main substrate 31 is inputted into CPU701 for sound control through the input-buffer circuits 705A and 705B. In addition, when CPU701 for sound control does not build in the I/O Port, an I/O Port is prepared between the input-buffer circuits 705A and 705B and CPU701 for sound control.

[0068] And the speech synthesis circuit 702 by the digital signal processor generates the voice and the sound effect according to directions of CPU701 for sound control, and outputs them to the volume electronic switch 703, for example. The output level of CPU701 for sound control is made into the level according to the volume set up, and the volume electronic switch 703 outputs it to the volume amplifying circuit 704. The volume amplifying circuit 704 outputs the amplified

correspondence number to a loudspeaker 21. [0069] 74HC540 and 74HC14 which are general-purpose CMOS-IC are used as input-buffer circuits 705A and 705B. The input-buffer circuits 705A and 705B can pass a signal only in the direction which goes to the sound control board 70 from the main substrate 31. Therefore, there is no room to transmit a signal from the sound control board 70 side to the main substrate 31 side. Therefore, even if unjust reconstruction is added to the circuit in the sound control board 70, the signal outputted by unjust reconstruction does not get across to the main substrate 31 side. In addition, you may prepare a noise filter in the input side of the input-buffer side. In addition, you may prepare a noise filter in the input side of the input-buffer

converters IC 922 ( drawing 8 shows only one.), generates +21V, +12V, and +5V DC converter 913 and a connector 915. DC-DC converter 913 has one or more 912 generates the direct current voltage of AC24V to +30V, and outputs it to DC-24V. AC24V voltage is outputted to a connector 915. Moreover, a rectifier circuit [0073] A transformer 911 changes the alternating voltage from AC power supply into rectifying device. VSL serves as a solenoid drive power supply. rectifier circuit 912 by carrying out the rectification pressure up of AC24V with a drives DC+5V, i.e., IC on each substrate etc. In addition, VSL is generated in a a storage maintenance means, is charged from the line of a power supply which generated. Moreover, the capacitor 916 which becomes a backup power supply, i.e., use. In this example, AC24V, VSL (DC+30V), DC+21V, DC+12V, and DC+5V are electrical-part control board and mechanism element of the game inside of a plane board of expenditure control board 37 grade, and generates the voltage which each control board 70, the ramp-control substrate 35, and the electrical-part control independently with the main substrate 31, the pattern control board 80, the sound power supply substrate 910. The power supply substrate 910 is installed [0072] Drawing 8 is the block diagram showing the example of 1 composition of the of the counter for generating each random number for a judgment. loudspeaker 27 does not synchronize with the updating period of the counted value for sound control intervenes, the timing of sound generating / sound halt from a processing performed every [ both ] 2ms) -- Since the processing time of CPU701 game control means — synchronizing (since it performing by the game control counted value of the counter for generating each random number for a judgment by from the game control means of the main substrate 31 the updating period of the [0071] In addition, the sending-out timing of the sound control command transmitted addition, you may prepare a noise filter in the output side of buffer circuits 620 and substrate 31 from the sound control board 70 can be lost still more certainly. In such composition, the signal line by which a signal may be given to the main into the interior of the main substrate 31 is prevented from the exterior according to purpose CMOS-IC are used as buffer circuits 620 and 67A. Since the signal inputted the outside of an output port 570,574. 74HC250 and 74HC14 which are general-[0070] Moreover, in the main substrate 31, buffer circuits 620 and 67A are formed in circuits 705A and 705B.

voltage required for each electrical-part control board and a mechanism element is supplied from a relay substrate.

[0074] However, each connector which results in each electrical-part control board

current voltage of +30V, +12V, and +5V grade falls comparatively gently. A connector 915 is connected for example, to a relay substrate, and the power of

capacitor 923 is connected to the input side of a converter IC 922. Therefore, when the electric power supply to the game machine from the outside stops, the direct

based on VSL, and outputs them to a connector 915. The comparatively mass

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is prepared in the power supply substrate 910, and you may make it supply each voltage which results in each substrate, without minding a relay substrate from the power supply substrate 910. Moreover, although one connector 915 is represented and shown in drawing 8, the connector is prepared in each electrical-part control

board correspondence. [0075] The +5V line from DC-DC converter 913, it branches and backup +5V line is formed. The mass capacitor 916 is connected between backup +5V line and ground level. A capacitor 916 serves as a backup power supply which supplies power so that a storage state can be held to the backup RAM of an electrical-part control board when the electric power supply to a game machine stops (backup storage means which may be in the content maintenance state of storage also at the time of RAM, i.e., an electric power supply halt, by which power supply backup is carried out). Moreover, the diode 917 for antisuckbacks is inserted between +5V line and backup +5V line. In addition, with the gestalt of this operation, +5V for backup are supplied to the main substrate 31 and the expenditure control board 37.

to the main substrate 31 and the expenditure control board 37. [0076] Moreover, IC902 for power supply surveillance as a power supply supervisory circuit is carried in the power supply substrate 910. IC902 for power supply substrate 910. IC902 for power supply substrate 910. IC902 for power supply substrate subply halt to a game machine by supervising VSL voltage. A power off signal is outputted noting that a halt of an electric power supply will specifically arise, if VSL voltage becomes below a predetermined value (this example +22 V). In addition, as for the supply voltage for surveillance, it is desirable that it is voltage higher than the supply voltage for surveillance, it is desirable that it is voltage higher than electrical—part control board. In this example, VSL which is the voltage immediately after changing into a direct current from an alternating current is used. The power off signal from IC902 for power supply surveillance is supplied to the main substrate off signal from IC902 for power supply surveillance is supplied to the main substrate off signal from IC902 for power supply surveillance is supplied to the main substrate off signal from IC902 for power supply surveillance is supplied to the main substrate off signal from IC902 for power supply surveillance is supplied to the main substrate of the example and 37 grade.

detecting a halt of an electric power supply is usually lower than the voltage at the time, it is voltage which is the voltage which can operate while CPU on each surveillance is higher than the voltage (this example +5 V) for driving circuit electrical—part control board is for a while. Moreover, IC902 for power supply surveillance is higher than the voltage (this example +5 V) for driving circuit elements, such as CPU, and since it is constituted so that the voltage immediately after changing into a direct current from an alternating current may be supervised, the surveillance range can be extended to the voltage which CPU needs. Therefore, to the various switches of a game machine is +12V when using VSL (+30V) as surveillance voltage, prevention of the switch—on incorrect detection at the time of sower supply hits is also expectable. Namely, if the voltage of +30V power supply is supervised, a fall of that is detectable in the stage before +12V made after +30V supervised, a fall of that is detectable in the stage before +12V made after +30V

creation begin to fall. [0078] + Although a switch output will come to present an ON state if the voltage of

12V power supply falls, if +30V supply voltage which falls earlier than +12V is supervised and a halt of an electric power supply is recognized, before a switch output presents an ON state, the state where go into the state of the waiting for electric power supply recovery, and a switch output is not detected, and a bird electric

clapper will be made. [0079] Moreover, since IC902 for power supply surveillance is carried in the power supply substrate 910 separate from an electrical-part control board, it can supply substrate off signal to two or more electrical-part control boards from a power supply supervisory circuit. However there may be an electrical-part control board which needs a power off signal, since one power supply surveillance means should just be established, even if it performs the security control which each electrical-part control means in each electrical-part control means in each electrical-part control board mention later, the cost of a

game machine does not go up so much. [0080] In addition, with the composition shown in drawing 8, although the detecting signal (power off signal) of IC902 for power supply surveillance is transmitted to each electrical—part control board (for example, the main substrate 31 and the expenditure control board 37) through a buffer circuit 918,919, the composition which transmits one detecting signal to a relay substrate, and distributes the same signal as each electrical—part control board from a relay substrate, for example is sufficient as it. Moreover, you may prepare the buffer circuit according to the number of substrates which needs a power off signal. Furthermore, you may change the surveillance voltage of the power supply supervisory circuit which will output a power off signal about the power off signal outputted to the main substrate 31 and power off signal about the power off signal outputted to the main substrate 31 and

the expenditure control board 37. [0081] The power off signal from the power supply supervisory circuit (power supply surveillance means) of the power supply substrate 910 is connected to the mask impossible interruption terminal (XMMI terminal) of CPU56 in the main substrate 31. Therefore, CPU56 can check generating of a halt of the electric power supply to a game machine by mask impossible interruption (MMI) processing. [0082] The content is saved, even if a part of RAM [ at least ] is backed up by the

[0082] The content is saved, even if a part of RAM [ at least ] is backed up by the backup power supply supplied from a power supply substrate and the electric power supply to a game machine stops, while power is not supplied from +5V power supply which is a drive power supply of CPU56 grade. And if +5V power supply is restored, a reset signal will be emitted from the system—reset circuit 65, and CPU56 will return to a normal operating state. Since required data are then saved at Backup RAM, the game state at the time of generating of a power failure etc. can be restored at the time of the restoration from a power failure etc.

Testored at the time of the restoration from a power raine etc. [0083] Mext, operation of a game machine is explained. Drawing 9 is a flow chart which shows the main processing which the game control means (circumference circuits, such as CPU56, and ROM, RAM) in the main substrate 31 perform. If a power supply is switched on to a game machine and the input level of a reset terminal becomes high-level, CPU56 will start the main processing after Step S1. In

(95 (built-in circumference circuit) (Step Sb), RAM is set as an accessible state (Step counter/timer) and PIO (parallel input/output port) which are a built-in device device register is initialized (step S4). Moreover, after initializing CTC (the pointer specification address is set as a stack pointer (Step S3). And a built-in S1). Next, interrupt mode is set as interrupt mode 2 (Step S2), and the stack-[084] In initial-setting processing, CPU56 is first set as interrupt inhibition (Step main processing, CPU56 performs required initial setting first.

[0086] Three kinds of modes are prepared for CPU56 used with the gestalt of this (PIO), and the timer/counter circuit (CTC). [6805] CPU56 used with the gestalt of this operation also builds in the I/O Port

program counter to a stack while setting it as an interrupt inhibition state interruption in which a mask is possible occurs, CPU56 saves the content of a operation as the mode of interruption in which a mask is possible. In addition, if

interruption vector, when performing an interruption request. In Step S2 of initialdiscontinuous) street. Each built-in device has the function which sends out an Therefore, interrupt processing can be installed in the eventh arbitrary (it is specific register, and the low rank address was made the interruption vector. address shown by 2 bytes by which the high order address was made the value of a CPU56 output shows an interruption address. That is, an interruption address is the which the value (1 byte) and built-in device of a specific register (I register) of address compounded from the interruption vector (1-byte L: 1 least significant bit 0) [087] The interrupt mode 2 of three kinds of inside is the mode in which the automatically.

When the clear switch 921 is ON, the clear switch signal of a low level is outputted the check, CPU56 performs the usual initialization processing (Step S11 - Step S15). clear switch 921 inputted through input port 1 (Step S7). When ON is detected in [0088] Subsequently, CPU56 checks only once the state of the output signal of the setting processing, CPU56 is set as interrupt mode 2.

is set as the backup flag fleld, those with backup (ON state) are meant, for example, supply halt whether backup data are in a backup RAM field. In this example, if "55H" backup flag set as a backup RAM field in processing at the time of an electric power [0090] With the gestalt of this operation, it is checked according to the state of the protection processing is not performed, CPU56 will perform initialization processing. protection processing is performed be those with backup. If it checks that such for protecting the data of a backup RAM field is performed. Let the case where such gestalt of this operation, when a halt of an electric power supply arises, processing parity data etc.) of a backup RAM field has been performed (Step S8). With the (it processes at the time of an electric power supply halt of addition of for example, supply to a game machine stops, it is checked whether data protection processing [0089] When the clear switch 921 is not in the state of ON, and the electric power (muyeu briggy):

and if values other than "55H" are set up, those without backup (OFF state) are meant in it. [0091] If those with backup are checked, CPU56 will perform data check (this example parity check) of a backup RAM field (step 59). At the time of an electric power supply halt performed in case the electric power supply to a game machine stops, in processing, a checksum is computed and the checksum is saved to the backup RAM field. Step 59 compares the computed checksum and the checksum saved. since the data of a backup RAM field should be saved when it restores after as electric power supply halt of an unexpected power failure etc. arose — a check result (comparison result) — being normal (coincidence) — it becomes in a check result not being normal, the data at the time of an electric power supply halt mean result not being normal, the data at the time of an electric power supply halt mean

time from a halt of an electric power supply is performed. [0092] If the check result is normal, CPU56 will perform game state restoration processing for returning the internal state of game control means, and the control state of electrical-part control means, such as a display-control means, to the state at the time of an electric power supply halt (Step S10). And the evacuation value of the address. In game state restoration processing, PC is restored to a front state at the time of an electric power supply halt, and from various data (for example, the time of an electric power supply halt, and from various data (for example, electric power supply is restored in a predetermined time (data-hold possible period electric power supply is restored in a predetermined time (data-hold possible period of Backup RAM) after the electric power supply to a game machine stops For example, the counted value of the counter for generating the random number for a judgment, the random number for a display, and the random number for initial value supply are mentioned later will be continued from a front state at the time of an which are mentioned later will be continued from a front state at the time of an

initialization processing performed by the power up which it is not at the restoration

that the data of a backup RAM field differ. In such a case, since an internal state cannot be returned to the state at the time of an electric power supply halt,

electric power supply halt.

[0093] In initialization processing, CPU56 performs RAM clear processing first (Step S11). Moreover, working—area setting processing in which initial value is set as a predetermined working area (for example, usually the random number counter for a pattern judging, usually the buffer for a pattern judging, specially the right figure control states, such as a pattern process flag, an expenditure command storing pointer, a flag in awarded balls, a sphere piece flag, and an expenditure halt flag, appenditure authorized—state specification command which directs that it can pay out of sphere expenditure equipment 97 to the expenditure control board 37 is out of sphere expenditure equipment 97 to the expenditure control board 37 is performed (Step S13). Moreover, processing which transmits the initialization command for initializing other sub substrates (the ramp—control substrate 35, the command for initializing other sub substrates (the ramp—control substrate is sound control board 70, pattern control board 80) to each sub substrate is

performed (Step 514). There are a command (as opposed to the pattern control board 80) which shows the initial pattern displayed on the adjustable display 9 as an initialization command, a command (as opposed to the ramp-control substrate 35) which directs putting out lights of the awarded-balls lamp 51 and the sphere piece

lamp 52. [0094] And a setup of the register of CTC prepared in CPU56 so that a timer interruption may start periodically every 2ms is performed (Step S15). That is, the value which is equivalent to 2ms as initial value is set as a predetermined register

equipped, and according to the result, if required, an alarm will be emitted (error self-checking function with which the interior of the pachinko game machine I is [0098] Subsequently, various unusual diagnostic processes are performed by the 30a, 33a, and 39a, and performs those state judgings (switch processing : step S21). mouth switch 14s, the count switch 23, and the winning-a-prize mouth switches 29s, CPU56 inputs the detecting signal of switches, such as gate switch 32a, starting \$20) of a register. In game control processing, first, through a switching circuit 58, Steps S21-S32 shown in drawing 10, after performing evacuation processing (Step [0097] If a timer interruption occurs, CPU56 will perform game control processing of random number for determining whether consider as great success. (random-number-generation counter for a great success judging) for generating the value was returned exceeding maximum) of counted value, such as a counter initial value is a random number for determining the initial value (value after the counter for generating the random number for initial value. The random number for update process for initial value is processing which updates the counted value of the for generating the random number for a display. Moreover, the random number process for a display is processing which updates the counted value of the counter pattern displayed on the adjustable display 9, and the random number update [0006] The random number for a display is a random number for determining the performed by interrupt processing, and conflict arises in counted value. inumber update processes are performed arises, a random number update process is that 2ms timer interruption later mentioned to the midst by which those random the random number update process for initial value are performed, it is prevented interrupt inhibition state when the random number update process for a display and it considers as an interruption authorized state (Step S19). Since it is in the update process for a display, and the random number update process for initial value, interrupt inhibition state (Step S16) and completing execution of the random number number update process for initial value are performed, after considering as an repeatedly. When the random number update process for a display and the random random number update process for initial value (Step S18) by main processing performs the random number update process for a display (Step S17), and the [0095] Completion of execution (Steps 511-515) of initialization processing (time constant register).

processing : step S22).

a-prize mouth, the solenoid circuit 59 drives Solenoids 16, 21, and 21A according to open state or a closed state or to change the game sphere path in a large winningwinning-a-prize sphere equipment 15 or the opening-and-closing board 20 into an predetermined conditions are satisfied (Step S31). In order to make adjustable [0103] Moreover, CPU56 performs drive instructions in the solenoid circuit 59, when starting information, and probability change information, (Step S30). data, such as great success information supplied to for example, a hole computer, [0102] Furthermore, CPU56 performs information output processing which outputs processing : step 529). display-control command is performed (usually pattern command control command about a pattern as the predetermined field of RAM55, and transmits a processing: step S28). Moreover, processing which usually sets the display-control transmits a display-control command (specially pattern command control command about a pattern as the predetermined field of RAM55 specially, and [0101] Subsequently, CPU56 performs processing which sets the display-control during each processing according to a game state. selected and performed. And the value of a pattern process flag is usually updated the display state of the pattern drop 10 in predetermined sequence is usually usually corresponds according to a pattern process flag in order to usually control usually performed (Step S27). By pattern process processing, processing to which it processing according to a game state. Moreover, pattern process processing is specially. And the value of a pattern process flag is specially updated during each predetermined sequence according to a game state is selected and performed pattern process flag specially in order to control the pachinko game machine I in S26). By pattern process control, processing to which it corresponds according to a [0100] Furthermore, CPU56 performs pattern process processing specially (Step (Steps S24 and S25). the random number for a display, and the random number for initial value further performs processing which updates the counted value of the counter for generating great success judging used for game control, is performed (Step S23). CPU56 generating each random number for a judgment, such as a random number for a [0099] Next, processing which updates the counted value of each counter for

drive instructions.

[0104] And CPU56 performs awarded-balls processing which performs a setup of the awarded-balls number based on the detecting signal of the winning-a-prize mouth switches 29a, 30a, 33a, and 39a etc. (Step S32). Specifically according to the winning-a-prize detection based on what the winning-a-prize mouth switches 29a, 30a, 33a, and 39a turned on, the expenditure control command which shows the awarded-balls number to the expenditure control board 37 is outputted. CPU371 for expenditure control carried in the expenditure control board 37 drives sphere expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control command which expenditure equipment 97 according to the expenditure control to the expenditure control expenditure equipment 97 according to the expenditure control expenditure equipment 97 according to the expenditure exp

made to perform in timer-interruption processing with the gestalt of this operation in shown that interruption occurred is made, and game control processing may be performed by timer-interruption processing, only the set of a flag in which it is the gestalt of this operation. In addition, although game control processing is [0105] By the above control, game control processing will be started every 2ms with 533) and it is set as an interruption authorized state (Step 534).

process processing shown in drawing 11 is concrete processing of Step S26 in the main processing.

processes either of Steps 5300-5309 according to an internal state (this example S310) and starting mouth switch passage check processing (Step S311), it specially, after it performs change shortening timer subtraction processing (Step flow chart of drawing 10 . In case CPU56 performs pattern process processing special pattern process processing which CPU56 performs. The special pattern [0106] Drawing 11 is a flow chart which shows an example of the program of the

starting mouth switch passage check processing is processing which acquires and shortened as a change pattern of a pattern is determined. [ more than ] Moreover, low probability state (normal state), using the pattern by which change time was starting storage of the number of starting storage, and probability changing, in the and with [ the number of starting storage ] "2" in the state of the maximum of processing (Step S301) mentioned later, the value of a change shortening timer is 0, switch 14a having turned on). And in the special pattern great success judging to the memorizable maximum number of starting storage (storage of starting mouth subtracts the change shortening timer formed the number of pieces corresponding [0107] Change shortening timer subtraction processing is processing which specially pattern process flag).

14a turns on. memorizes each predetermined random number value, when starting mouth switch

success is determined, a great success flag is set. Furthermore, based on the value starting winning a prize produced at the foremost. And when considering as great Moreover, the content of the buffer extruded by the shift is a content according to buffer, only the memorizable maximum number of starting winning a prize is prepared. decision value), it determines to consider as great success. In addition, as for the buffer is specifically in agreement with a predetermined value (great success the random number for a great success judging which is one of the contents of a based on the content of the extruded butter as a result of a shift. When the value of there was starting winning a prize. It determines whether consider as great success content of the buffer which stores the various random numbers memorized when [0110] Special pattern great-success judging processing (Step 5301): Shift the process flag will be specially changed so that it may shift to Step S301. is checked, and if the number of starting storage is not 0, the value of a pattern [0109] Special pattern usual processing (Step S300): The number of starting storage [0108] The following processings are performed in Steps 5300-5309.

of the random number for the numbers of rounds which is one of the contents of a buffer, the number of rounds in a great success game is determined. Then, the value of a pattern process flag is specially changed so that it may shift to Step S302. [0111] Halt pattern setting processing (Step S302): Determine the halt pattern of a pattern during the right and left which it is as a result of [ in the adjustable display pattern during the right and left which it is as a result of [ in the adjustable display 9 ] a display. And the value of a pattern process flag is specially changed so that it

may shift to Step 5303. [0112] Change pattern setting processing (Step 5303): Determine, the pattern (adjustable display pattern), i.e., the change pattern, of a change display of a pattern in the adjustable display 9. And the control command for notifying a change pattern, a halt pattern, etc. which were determined is outputted to pattern control board 80 grade. Then, the value of a pattern process flag is specially changed so that it may grade. Then, the value of a pattern process flag is specially changed so that it may

shift to Step S304. [0113] Special pattern change processing (Step S304): Check whether the change time on which it decides according to the change pattern has passed. If it has time on which it decides according to the change pattern has passed, the value of a pattern process flag will be specially changed so that it may

shift to Step S305. Perform control which to Step S305): Perform control which sends out the display—control command which directs a halt of a pattern specially to sends out the display—control command which directs a halt of a pattern specially to command for making the number of rounds report using the adjustable display—control performed to the display—control means carried in the pattern control board 80. Then, when considering as great success is determined, the value of a pattern process flag is specially changed so that it may shift to Step S306. Otherwise, the value of a pattern process flag is specially changed so that it may shift to Step S300. Value of a pattern process flag is specially changed so that it may shift to Step S300. Control which opens a large winning—a-prize mouth. Specifically, while initializing a counter and a flag, a solenoid 54 is driven and a large winning—a-prize mouth is opened. And the value of a pattern process flag is specially changed so that it may opened. And the value of a pattern process flag is specially changed so that it may shift to Step S307.

shift to Step 5307. [0116] under large winning—a-prize mouth opening — processing (Step 5307): — processing which checks formation of the closing conditions of a large winning—a-prize mouth is performed If the closing conditions of a large winning—a-prize mouth are satisfied, the value of a pattern process flag will be specially changed so that it are satisfied, the value of a pattern process flag will be specially changed so that it

may shift to Step S308. Supervise the existence formsy shift to Step S308): Supervise the existence of passage of V winning—a-prize switch 22, and perform processing which checks formation of great success game state continuation are satisfied and there is still the of great success game state continuation are satisfied so there is still the may shift to Step S307. Moreover, when great success game state continuation conditions are not satisfied in a predetermined effective time, or when all rounds are conditions are not satisfied in a predetermined effective time, or when all rounds are conditions are not satisfied in a predetermined effective time, or when all rounds are

reached the upper limit, processing which increases the number of starting storage number of starting storage (Step S44). When the number of starting storage has stored in the random number value storage area corresponding to the value of the random number for the number determination of rounds is extracted. And they are pattern determination, the random number for change pattern determination, and the number for blank pattern determination, the random number for great success S43), and the value of the random number for a great success judging, the random has not reached a upper limit, the number of starting storage is increased one (Step upper limit (this example 4) (Step S42). (Step S41) If the number of starting storage switching circuit 58 checks whether the number of starting storage has reached the judgment of what starting mouth switch 14a turned on CPU56 for through the mouth 14 prepared in the game board, starting mouth switch 14a turns on A processing (Step S311). If a hit ball wins a prize of the starting winning-a-prize [0119] Drawing 12 is a flow chart which shows starting mouth switch passage check pattern process flag is specially changed so that it may shift to Step 5300. completed is made to carry out to a ramp-control means etc. And the value of a display for reporting to a game person that the great success game state was [0118] Great-success end processing (Step S309): Perform control to which the to Step 5309. finished, the value of a pattern process flag is specially changed so that it may shift

is not performed.

[0120] In addition, when the number of starting storage is increased one, the ramp-control command for increasing the number of displays of the starting storage drop 18 (the turned-on number of Light Emitting Diodes) one is transmitted to the ramp-

control substrate 35.

[0121] In special pattern process processing of Step S25, CPU56 checks the value of the number of starting storage, as shown in drawing 13 (Step S51). If the number of starting storage is not 0, while reading the value stored in the random number value storage area corresponding to starting storage;1 (1st starting storage) (Step S52), the value of the number of starting storage is reduced by one, and the value of each random number value storage area corresponding storage; each value stored in the random number value storage area corresponding to no (n= 2, ..., 4) is stored in the random number value storage area corresponding to starting storage; each value stored in the random number value storage area corresponding to starting storage; or 1. In addition, the contents of the random number value storage area corresponding to starting storage: For example, when the number of starting storage is 4, the contents of the special pattern random number value storage area corresponding to starting storage;4 are cleared.

cleared. [0122] In addition, when the number of starting storage is reduced by one, the ramp-control command for reducing the number of displays of the starting storage drop 18 by one is transmitted to the ramp-control substrate 35.

[0123] And based on the value which read CPU56 at Step S52, i.e., the value of the

it determines "" is a gap, when it is decided that it will be great success" and it is changing state), when the value is "3", "7", "7", "103" or, and "103", for example, and it is the other value." Moreover, in the state of high probability (probabilityexample, it determines "" is a gap, when it is decided that it will be great success" And by the normal state, as shown in drawing 14, when the value is "3", for number for a great success judging is made to take the value of the range of 0-316. judging) currently extracted, hit/determines a gap (Step S54). Here, the random random number for a great success judging (specially random number for a pattern

[0124] Drawing 15 is explanatory drawing showing each random number. Each the other value."

random number is used as follows.

- (1) Random 1 : determine whether generate great success (for a great success
- (2) For the blank pattern determination under random 2-1-2-3:right and left .(gnigbul
- (3) Random 3: determine the combination of the special pattern which generates (specially under pattern right and left)
- (4) Determine the change pattern of the special pattern in the random 4:adjustable great success (for great success pattern determination).
- display 9 (for change pattern determination).
- (5) Determine whether usually generate the hit based on a pattern in the random
- (6) Determine the number of rounds in a random 6:great success game (for the 5:common pattern drop 10 (usually per pattern for a judgment).
- (7) Random 7 : determine the initial value of random 1 (for random 1 initial-value number determination of rounds).
- (8) Random 5 : determine the initial value of random 5 (for random 5 initial-value determination).
- determination).
- (9) Random 9 : determine the initial value of random 6 (for random 6 initial-value
- CPU56 counts up the counter for L of the random number for a great success [0125] In addition, at Step S23 in the game control processing shown in drawing 10 , determination).
- Moreover, the range which each random number value shown in drawing 15 can take random number of above-mentioned (1) - (9) etc. are usually used for accumulating game effect is heightened — random numbers about a pattern other than the random number for a display, or a random number for initial value. in addition, the are the random numbers for a judgment and random numbers other than these are a for the number determination of rounds of (6) per pattern (1 addition). That is, they (5) I usually generating the random number for a judgment, and the random number judging of (1), the random number for great success pattern determination of (3), and

success pattern is determined according to the value of the random number for [0126] In Step S54 shown in drawing 13, when judged with great success, a great is also an example, and other ranges can also be used.

great success patterns (random 3) (Step S55). For example, each pattern of the value of pattern number set as the great success pattern table according to the value of random 3 is determined as a great success pattern. The pattern number under right and left corresponding to each of the combination of two or more kinds of great success pattern table. Moreover, the random number for change pattern determination (random 4) is extracted, and the change pattern of a pattern is determined based on the value of random 4 (Step S56). Furthermore, the random number for the number determination of rounds (random 6) is extracted, and the number of rounds is determined based on the value of random 6) of co.

6 (Step 565). When judged with a blank, CPU56 determines the halt pattern when not considering as great success. With the gestalt of this operation, a left figure handle is determined according to the value read at Step 552, i.e., the value of random 2-1 currently extracted, (Step 557). Moreover, an inside pattern is determined according to the value of random 2-2 (Step 558). And a right figure handle is determined according according to the value of random 2-3 (Step 559). When a pattern is in agreement with a right-and-left pattern while being determined, the pattern corresponding to the value of the random number corresponding to the inside pattern one time is made not in agreement with a great success pattern here as a pattern one time is made not in agreement with a great success pattern here as a

halt pattern of an inside pattern. (Step 560) carrying out reach of whether carrying out reach was determined (has the halt pattern on either side gathered or not?) is determined, CPU56 extracts the value of the random number for change pattern determination (random 4), and is random — the change pattern of a pattern

is determined based on 4 (Step S62). If it is in a probability—changing state, it will be probability—changing state (Step S62). If it is in a probability—changing state, it will be determined that a change pattern will consider as a shortening change pattern at the time of a blank (Step S63). If it is not in a probability—changing state, it will determine to separate from a change pattern and to consider as the usual change pattern at the time (Step S64). In addition, a shortening change pattern is a change pattern with a change period usually shorter than a change pattern of 4.0 seconds in the change time of the pattern under right and left at the time of a blank.

[0130] It is determined whether to make the change mode of the pattern based on starting winning a prize as mentioned above into a reach mode or make it into a blank mode, and the combination of each halt pattern is determined. That is, while it blank mode, and the combination of each halt pattern is determined. That is, while it

starting winning a prize as mentioned above into a reach mode or make it into a blank mode, and the combination of each halt pattern is determined. That is, while it is determined whether to perform whether reach production is performed as a change mode of a pattern, the combination of a halt pattern is determined. Moreover, when considering as great success is determined, the number of rounds in a great

success game is also determined. [0131] In addition, the processing shown in drawing 13 is equivalent to processing when processing of Steps 5301-5303 in the special pattern process processing

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gestalt of this operation, (maximum +1) is 14. (Step S122) and counted value are returned to 3 (Step S123). In addition, with the value of the counter for generating random 5 has become above (maximum +1), pattern random number for a judgment) is carried out +one (Step S121). When the [0135] Moreover, the value of the counter for generating random 5 (usually per gestalt of this operation, (maximum +1) is 12. (Step S109) and counted value are returned to 0 (Step S110). In addition, with the value of the counter for generating random 3 has become above (maximum +1), great success pattern determination) is carried out +one (Step S108). When the [0134] Next, the value of the counter for generating random 3 (random number for change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 1 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the supply is supplied to a game machine, when the value of random 1 is saved at random I as initial value, and the initial value buffer for random I when a power time. In addition, although it is saved at the counter for generally "O" generating Therefore, the initial value of the counter for generating random 1 is changed at this the extracted value is set as the counter for generating random 1 (Step S10/). extracted value as initial value at the initial value buffer for random 1 (Step S106), value of the counter for generating random / is inputted. And while saving the random I initial-value determination) is extracted (Step S105). That is, the counted counted value remains as it is. When in agreement, random 7 (random number for value at the initial value buffer for random 1 (Step S104). If not in agreement, value with which the value of the counter for generating random I is saved as initial [0133] Subsequently, it checks whether CPU56 has been in agreement with the random n (n: 1, 2, ...) may be called counter for random n. grades is the extracted random 2 grade. Hereafter, the counter for generating value which similarly was read from the counter for generating other random 2 extracted -- random -- it is I (random number for a great success judging) The the value read from the counter (counter for random 1) for generating I was of this operation, (maximum +1) is 317, moreover, random to predetermined timing — \$102) and counted value are returned to 0 (Step \$103). In addition, with the gestalt of the counter for generating random I has become above (maximum +1), (Step (random number for a great success judging) +one (Step S101). And when the value judgment, CPU56 carries out the value of the counter for generating random 1 control processing shown in drawing 10. In the random number update process for a random number update process for a judgment (Step S23) performed by the game [0132] Drawing 16 and drawing 17 are flow charts which show an example of the success occurs. It becomes reach when only a right-and-left pattern gathers. operation, when the halt pattern of a pattern gathers during right and left, great shown in drawing 11 is shown collectively. Moreover, with the gestalt of this

value of the counter for generating random 7 (random number for random 1 initial-[0140] In the random number update process for initial value, CPU56 carries out the the game control processing shown in drawing 10 (Step S25). in the main processing shown in drawing 9 (Step S18) while being performed once in (time until next 2ms timer interruption occurs after a game control processing end) update process for initial value repeatedly performed in interruption remainder time [0139] Drawing 18 is a flow chart which shows an example of the random number change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 6 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 6 is saved at although it is set as the counter for "O" generating random 6 as initial value when a value of the counter for generating random 6 is changed at this time. In addition, is set as the counter for generating random 6 (Step S117). Therefore, the initial initial value at the initial value buffer for random 6 (Step S116), the extracted value counter for generating random 9 is inputted. And while saving the extracted value as value determination) is extracted (Step S115). That is, the counted value of the remains as it is. When in agreement, random 9 (random number for random 6 initialthe initial value buffer for random 6 (Step S14). If not in agreement, counted value which the value of the counter for generating random 6 is saved as initial value at [0138] And it checks whether CPU56 has been in agreement with the value with gestalt of this operation, (maximum +1) is 19. (Step S112) and counted value are returned to 0 (Step S113). In addition, with the value of the counter for generating random 6 has become above (maximum +1), for the number determination of rounds) is carried out +one (Step S111). When the [0137] Moreover, the value of the counter for generating random 6 (random number change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 5 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 5 is saved at although it is set as the counter for "3" generating random 5 as initial value when a value of the counter for generating random 5 is changed at this time. In addition, is set as the counter for generating random 5 (Step S127). Therefore, the initial initial value at the initial value buffer for random 5 (Step S126), the extracted value counter for generating random 8 is inputted. And while saving the extracted value as value determination) is extracted (Step S125). That is, the counted value of the remains as it is. When in agreement, random 8 (random number for random 5 initialthe initial value buffer for random 5 (Step S124). If not in agreement, counted value which the value of the counter for generating random 5 is saved as initial value at [0136] And it checks whether CPU56 has been in agreement with the value with

returned to 0 (Step S133). In addition, (maximum +1) is 317 like the case of random random 7 has become above (maximum +1), (Step S132) and counted value are value determination) +one (Step S131). When the value of the counter for generating

(Step S135) and counted value are returned to 3 (Step S136). In addition, (maximum value of the counter for generating random 8 has become above (maximum +1), for random 5 initial-value determination) is carried out +one (Step S134). When the [0141] Moreover, the value of the counter for generating random 8 (random number

+1), (Step S138) and counted value are returned to 0 (Step S139). In addition, When the value of the counter for generating random 9 has become above (maximum number for random 6 initial-value determination) is carried out +one (Step S137). [0142] Furthermore, the value of the counter for generating random 9 (random +1) is 14 like the case of random 5.

the main processing shown in drawing 9 (Step S17) while being performed once in update process for a display repeatedly performed in interruption remainder time in [0143] Drawing 19 is a flow chart which shows an example of the random number (maximum +1) is 19 like the case of random 6.

determination) +three (Step S151). When the value of the counter for generating value of the counter for generating random 4 (random number for change pattern [0]44] In the random number update process for a display, CPU56 carries out the the game control processing shown in drawing 10 (Step S24).

(Step S152) and random 4 is reduced by 251 (Step S153). random 4 has become 251 or more, the counted value of the counter for generating

the initial value (value after the value was returned exceeding maximum) of the value after being set to 248. Then, the value will be set to 0 if it reduces by 251. That is, set to 2 if it reduces by 251. Moreover, when a value begins from 2, it is set to 251 a value begins from 1, it is set to 253 after being set to 250. Then, the value will be being set to 249 Then, the value will be set to 1 if it reduces by 251. Moreover, when generating 4 increases every [3], when a value begins from 0, it is set to 252 after maximum of 4 is 250, it is random -- since the counted value of the counter for [0145] in addition, random with the gestalt of this operation -- although the

(Step S155) and counted value are returned to 0 (Step S156). In addition, with the value of the counter for generating random 2-1 has become above (maximum +1), number for blank pattern determination) is carried out +one (Step S154). When the [0]46] Mext, the value of the counter for generating random 2-1 (left random of random 4 is also to some extent random.

generating random 2-2 has become above (maximum +1), (Step S158) and counted determination) is carried out +one (Step S157). When the value of the counter for counter for generating random 2-2 (inner random number for blank pattern (maximum +1) and a value is returned to 0 (i.e., when carry arises), the value of the [0147] When the value of the counter for generating random 2-1 becomes above gestalt of this operation, (maximum +1) is 12.

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value are returned to 0 (Step S159). In addition, with the gestalt of this operation,

(maximum +1) is 12. [0148] When the value of the counter for generating random 2-3 becomes above (maximum +1) and a value is returned to 0 (i.e., when carry arises), the value of the counter for generating random 2-3 (right random number for blank pattern determination) is carried out +one (Step S160). When the value of the counter for generating random 2-3 has become above (maximum +1), (Step S161) and counted yalue are returned to 0 (Step S162). In addition, with the gestalt of this operation,

(maximum +1) is 12. [0149] Drawing 20 is explanatory drawing showing an example of the value of the value of the counter for generating the random 1 (random number for a great success judging) which changes with the random number update processes for a judgment shown in drawing 16 and drawing 17. In this example, the value of the beginning of random 1 is 0. Moreover, since "0" is saved as initial value at first, if counted value progresses to "316", is carried out +one there and a value returns to 0 (Steps 5101, 5102, and 5103), it will be detected that counted value was in agreement with initial value by processing of Step 5104. Then, random 7 (random number for random 1 initial-value determination) is extracted by processing of Step 5105. In addition, in drawing 20, it determination) is extracted by processing of Step 5105. In addition, in drawing 20, it

is shown at this time by A. [0150] Here, suppose that the counted value of the counter for generating the random 7 at the time was "19." then, random — random, while "19" is extracted as 7 and the value is saved (Step S106) — the value is set as the counter for generating 1 Therefore, stepping of the counter for generating random 1 from this serving 1 is saved (Step S106).

time will be carried out from initial value "19." [0151] If the value of the counter for generating random 1 carries out stepping and is set to "19", it will be detected that counted value was in agreement with initial value by processing of Step S104. Then, random 7 is extracted by processing of Step S105. In addition, in drawing 20, it is shown at this time by B. Suppose that the counted value of the counter for generating the random 7 at the time was "195." then, random — random, while "195" is extracted as 7 and the value is saved (Step S106) — the value is set as the counter for generating 1 Therefore, stepping of the counter for generating 1 set as the counter for generating 1 was initial value counter for generating random 1 from this time is carried out from initial value.

"195." And if the value of the counter for generating random 1 carries out stepping and is set to "195", it will be detected that counted value was in agreement with initial value by processing of Step S104. Then, random 7 is extracted by processing of Step S105. In addition, in drawing 20, it is shown at this time by C. Suppose that the counted value of the counter for generating the random 7 at the time was "n." then, random — random, while "n" is extracted as 7 and the value is saved (Step S106) —— the value is set as the counter for generating 1 Therefore, stepping of the counter for generating random 1 from this time is carried out from initial value "n." In addition, in drawing 20, the asterisk (\*) shows the position where counted value In addition, in drawing 20, the asterisk (\*) shows the position where counted value

becomes "3 (great success decision value at the time of low probability)." [0153] As mentioned above, whenever the value of the counter for generating random 1 takes 1 round (317 counts), initial value new as counted value is set up, and stepping of the counter is henceforth carried out from the value. random — game control processing in which CPU56 performs the counter (random counter for generating 7) for determining the initial value of the counter (counter for a great success judging) for generating 1 — it is counting up not much by time (time after success judging) for generating 1 — it is counting up not much by time (time after success judging) for generating a completed until a timer interruption next occurs for 2ms) And since the remainder time differs according to the advance situation of a game, it is random periods. Consequently, since the value of the random 7 generated also turns into a random value, the initial value of the counter for a great success judging turns into a random value, the initial value of the counter for a great success judging

drawing 21, it is shown at this time by A. initial-value determination) is extracted by processing of Step S115. In addition, in value by processing of Step S114. Then, random 9 (random number for random 6 \$112, and \$113), it will be detected that counted value was in agreement with initial progresses to "18", is carried out +one there and a value returns to 0 (Steps STII, random 6 is 0. Moreover, since "0" is saved as initial value at first, if counted value shown in drawing 15 and drawing 17. In this example, the value of the beginning of rounds) which changes with the random number update processes for a judgment for generating the random 6 (random number tor the number determination of Drawing 21 is explanatory drawing showing an example of the value of the counter of the random number for the number determination of rounds also becomes random. [0155] Further, it is controlled by the form of this operation so that the initial value great success decision value and is random, as shown to drawing 20 by the asterisk. to the timing from which the counted value for a great success judging turns into a main substrate 31. It is because according to the form of this operation it is irregular the main substrate 31, and to send an unjust starting winning-a-prize signal into the success judging of counted value is recognized based on the signal outputted from turns into a great success decision value though the renewal timing for a great 31, to aim at the timing from which the counted value for a great success judging becomes difficult for an inaccurate substrate to be connected to the main substrate value of the counter for a great success judging takes I round anew. Then, it [0154] That is, stepping of a counter begins from initial value random whenever the also changes at random.

orawing 21, it is shown at this time by A. [0156] Here, suppose that the counted value of the counter for generating the random 6 at the time was "3." then, random — random, while "3" is extracted as 9 and the value is saved (Step S116) — the value is set as the counter for generating and the value is the counter for generating of the counter for generating random 6 from this time will be

carried out from initial value "3." [0157] If the value of the counter for generating random 6 carries out stepping and is set to "3", it will be detected that counted value was in agreement with initial value by processing of Step 5114. Then, random 9 is extracted by processing of

[0159] As mentioned above, whenever the value of the counter for generating maximum rounds)." becomes "il (it considers as the decision value corresponding to the number of the In addition, in drawing 21, the asterisk (\*) shows the position where counted value counter for generating random 6 from this time is carried out from initial value "k." S116) — the value is set as the counter for generating 6 Therefore, stepping of the then, random -- random, while "k" is extracted as 9 and the value is saved (Step the counted value of the counter for generating the random 9 at the time was "k." of Step S115. In addition, in drawing S1, it is shown at this time by C. Suppose that initial value by processing of Step S114. Then, random 9 is extracted by processing and is set to "II", it will be detected that counted value was in agreement with [0158] And if the value of the counter for generating random 6 carries out stepping counter for generating random 6 from this time is carried out from initial value "11." S116) — the value is set as the counter for generating 6 Therefore, stepping of the then, random — random, while "11" is extracted as 9 and the value is saved (Step. counted value of the counter for generating the random 9 at the time was "11". Step S115. In addition, in drawing S1, it is shown at this time by B. Suppose that the

and is random, as shown to drawing 21 by the asterisk. corresponds with the decision value corresponding to the large number of rounds irregular to the timing whose counted value for the number determination of rounds main substrate 31. It is because according to the gestalt of this operation it is substrate, and to send unjust signals (starting winning-a-prize signal etc.) into the of counted value is recognized based on the signal outputted from the main number of rounds though the renewal timing for the number determination of rounds determination of rounds turns into a decision value corresponding to the large substrate, to aim at the timing from which the counted value for the number Then, it becomes difficult for an inaccurate substrate to be connected to the main value of the counter for the number determination of rounds takes 1 round anew. [0160] That is, stepping of a counter begins from initial value random whenever the counter for the number determination of rounds also changes at random. of the random 9 generated also turns into a random value, the initial value of the the advance situation of a game, it is random periods. Consequently, since the value interruption next occurs for 2ms) And since the remainder time differs according to up not much by time (time after game control processing is completed until a timer (counter for the number determination of rounds) for generating 6 -- it is counting (random counter for generating 9) for determining the initial value of the counter control processing in which CPU in game control means performs the counter stepping of the counter is henceforth carried out from the value, random -- game random 6 takes I round (19 counts), initial value new as counted value is set up, and

decision value for the number determination of rounds. In the example shown in between the random number for the number determination of rounds, and the [0161] Drawing 22 is explanatory drawing showing an example of the relation

drawing 22 for the state of a game machine to be in a low probability state When the value of the extracted random number for the number determination of rounds is in agreement with 2, 4, 6, 8, 10, 12, 14, 16, and 18, the number determination of rounds as 12. When the value of the random number for the number determination of rounds is in agreement with 1, 5, 9, 13, and 17, the number of rounds is determined as 14, and when the value of the random number for the number determination of rounds is in agreement with 3, 7, 11, and 15, the number of rounds is determined as 16. The extracted random number for the number determination of rounds is in agreement with 2, 4, 6, 8, 10, 12, 14, 16, and 18, the number of rounds is determined of the value of the random number for the number determination of rounds is in agreement with 1, 3, 5, 7, 11, 13, 15, and 17, the number of rounds is determined as 16.

10162] Drawing 23 is explanatory drawing showing an example of the number information of rounds. In this example, the screen which the pattern which is becoming it a great success in the adjustable display 9 shows the number of rounds game control means determined the back that it was displayed in the adjustable

display 9 is displayed.

[0163] In addition, although the number of rounds in a great success game was determined based on the value of the random number for the number determination of rounds in the above—mentioned example, according to the halt pattern of a pattern, the number of rounds may be made to be determined specially. Drawing 24 is explanatory drawing showing an example of such a number determination method of rounds. When the number of rounds is specially determined according to the halt pattern of a pattern, the random number for the number determination of rounds is not used, but the random number for great success pattern determination serves as the random number for determining the number of rounds.

[0164] Moreover, after performing display production which that the number of rounds is drawn can recognize to a game person, you may make it display the rounds is drawn can recognize to a game person, you may make it display the determination result of the number of rounds in the adjustable display 9 in the above—mentioned example, although the determination result of the number of rounds was displayed. Furthermore, when the number of rounds is specially determined according to the halt pattern of a pattern and it is decided that it will be the number of the maximum rounds (this example 16 rounds), after that, the adjustable display (re-change) of a pattern is performed again, and the last halt indication of the pattern according to rounds may be made to give a temporary halt indication of the pattern according to rounds may be made to give a temporary halt indication of the pattern according to rounds may be made to give a temporary halt indication of the pattern according to

[0165] Drawing 25 (A) is a flow chart which is performed in the game control processing shown in drawing 10 and which usually shows pattern processing of (Step S27). Usually, by pattern process processing, CPU56 performs processing of either of the processings usually shown in Steps S72–S76 according to the value of

a pattern process flag, after performing gate switch processing of Step S71. The gate switch processing, ON of gate switch 32a based on hit ball passage of the gate 32 which usually serves as conditions of a pattern change start is detected. If gate switch 32a turns on, it checks whether pattern starting storage has usually serves whether pattern starting storage has usually be carried out +one. In addition, according to the value of pattern starting storage, Light Emitting Diode of the pattern starting storage drop of pattern starting storage, Light Emitting Diode of the pattern starting storage drop 41 is usually turned on. And CPU56 usually extracts the value of the random number for a judgment (random 5) per pattern, and memorizes the value. In addition, pattern starting storage is usually formed in Backup RAM.

starting storage is usually formed in Backup RAM.

[0167] In the waiting processing for common pattern change of Step S72, CPU56 will usually update the value of a pattern process flag, if the value of pattern starting storage is usually except zero. Nothing will be carried out if the value of pattern

starting storage is usually explanatory drawing in the gestalt of this operation in which the random number for a judgment (random 7) and hit/show a relation with a gap per pattern. As shown in drawing 25 (B), it hits at the time of high probability, and values are either 3–12 and are 3, 5, or 7 at the time of low probability. If the value of the random number for a judgment usually hits per pattern and it is in agreement with a value, it will be decided that it will be a hit. In addition, it is usually no agreement with a value, the time of probability changing at the time of the

high probability of a pattern. Lous lity and singly processing (Step S73) — setting — usually — pattern judging processing (Step S73) — setting — usually — the number of pattern starting storage — while reading the value of pattern in the random number value storage area corresponding to =1, the value of pattern starting storage is usually reduced by one, and the value of each random number for a judgment, hit/determines a gap per value read from the random number value storage area is shifted And based on the value of the random number value storage area, i.e., the common pattern currently extracted. That is, based on the relation shown in drawing 21, hit/determines a gap. And based on a predetermined relation shown in drawing 21, hit/determines a gap. And based on a predetermined in considering as a hit, it determines as halt pattern as "3" or "7", and in the case of a blank, it determines at values other than "3" and "7", when it is decided that it ablank, it determines at values other than "3" and "7", when it is decided that it will be a hit, after the adjustable display of a pattern is usually completed, adjustable will be a hit, after the adjustable display of a pattern is usually completed, adjustable

winning—a-prize sphere equipment 15 is opened wide. [0170] In addition, the open pattern of adjustable winning—a-prize sphere equipment 15 is a pattern which adjustable winning—a-prize sphere equipment 15 opens for 0.2 seconds only once for example, at the time of low probability. Moreover, after adjustable winning—a-prize sphere equipment 15 opens wide for 1.15 seconds at the time of high probability, it is the pattern which sets the closing period for 4.4 seconds and opens it for 1.15 seconds again. According to an open pattern, opening—seconds and opens it for 1.15 seconds again.

control processing in which CPU56 performs the counter (random counter for stepping of the counter is henceforth carried out from the value, random -- game random 5 takes 1 round (11 counts), initial value new as counted value is set up, and [0175] As mentioned above, whenever the value of the counter for generating becomes "5 (one of the hit decision values)." addition, in drawing 26, the asterisk (\*) shows the position where counted value for generating random 5 from this time is carried out from initial value "m." In - the value is set as the counter for generating 5 Therefore, stepping of the counter random -- random, while "m" is extracted as 8 and the value is saved (Step S126) -counted value of the counter for generating the random 8 at the time was "m." then, Step S125. In addition, in drawing 26, it is shown at this time by G. Suppose that the value by processing of Step S124. Then, random 8 is extracted by processing of and is set to "8", it will be detected that counted value was in agreement with initial [0174] And if the value of the counter for generating random 5 carries out stepping for generating random 5 from this time is carried out from initial value "8" - the value is set as the counter for generating 5 Therefore, stepping of the counter random -- random, while "8" is extracted as 8 and the value is saved (Step S126) counted value of the counter for generating the random 8 at the time was "8." then, Step S125. In addition, in drawing 26, it is shown at this time by B. Suppose that the value by processing of Step S124. Then, random 8 is extracted by processing of is set to "11", it will be detected that counted value was in agreement with initial [0173] If the value of the counter for generating random 5 carries out stepping and ".11" aulav linitial value carried out from initial value ".11" generating 5 Therefore, stepping of the counter for generating random 5 from this 8 and the value is saved (Step S126) -- the value is set as the counter for random 8 at the time was "11." then, random -- random, while "11" is extracted as [0172] Here, suppose that the counted value of the counter for generating the drawing 26, it is shown at this time by A. initial-value determination) is extracted by processing of Step S125. In addition, in value by processing of Step S124. Then, random 8 (random number for random 5 \$122, and \$123), it will be detected that counted value was in agreement with initial progresses to "13", is carried out +one there and a value returns to 3 (Steps S121, random 5 is 3. Moreover, since "3" is set up as initial value at first, if counted value shown in drawing 16 and drawing 17. In this example, the value of the beginning of judgment) which changes with the random number update processes for a judgment counter for generating the random 5 (usually per pattern random number for a [0171] Drawing 26 is explanatory drawing showing an example of the value of the electric / for opening and closing the starting winning-a-prize mouth 14 ]. sphere equipment 15 as an electric accessory is usually used also Laccessory / out. In addition, with the form of this operation, the adjustable winning-a-prize and-closing control of the adjustable winning-a-prize sphere equipment 15 is carried

generating 8) for determining the initial value of the counter (usually per pattern

counter for a judgment) for generating 5 — it is counting up not much by time (time after game control processing is completed until a timer interruption next occurs for 2ms) And since the remainder time differs according to the advance situation of a game, it is random periods. Consequently, since the value of the random 8 generated also turns into a random value, the initial value of the counter for a judgment also

usually changes at random per pattern.

[0176] That is, stepping of a counter begins from initial value random whenever the value of the counter for a judgment usually takes 1 round per pattern anew. Then, it becomes difficult for an inaccurate substrate to be connected to the main substrate 31, to aim at the timing which the counted value for a judgment usually hits per pattern though the renewal timing for a judgment of counted value is usually recognized per pattern based on the signal outputted from the main substrate 31, and becomes a decision value, and to send unjust signals (detecting signal of gate and becomes a decision value, and to send unjust signals (of the gestalt of this operation it is irregular to the timing which the counted value for a judgment usually hits per pattern, and becomes a decision value and is random, as shown to drawing hits per pattern, and becomes a decision value and is random, as shown to drawing

the gestalt of this operation by the program which CPU56 and CPU56 perform. addition, the number-of-times determination means of an upper limit is realized by corresponds with a predetermined decision value becomes unfixed is realized. In for a judgment of a numeric value for the number of times of an upper limit controlled so that the timing whose numeric value updated with the renewal means number determination of rounds at the gestalt of this operation). The game machine extracted numeric value and a predetermined decision value (decision value for the continuation upper limit of the round in a great success game state based on the determination means of an upper limit to determine the number of times of a number of times of an upper limit is extracted. It has a number-of-times the numeric value of the renewal means for a judgment of a numeric value for the operation counter for generating 6), Based on predetermined condition formation, predetermined numeric-value within the limits (random, with the gestalt of this times of a continuation upper limit of the round in a great success game state by update the numeric value for a judgment used for the judgment of the number of means for a judgment of a numeric value for the number of times of an upper limit to times of a continuation upper limit (the gestalt of this operation 16 times). A renewal winning-a-prize mouth to closing continue repeatedly until it reaches the number of (with the gestalt of this operation). It is possible to make one opening of a large prize of V winning-a-prize field as a specific field, and is a predetermined round is based on formation of the continuation conditions by a game sphere winning a state is possible for a game person, and he sets in the great success game state. It person, control in the great success game state as an advantageous specific game predetermined game, and according to specific condition formation, for a game [0177] As mentioned above, with the gestalt of this operation, perform a 26 by the asterisk.

Especially processing of Step S65 is equivalent to the program. [0178] Moreover, although what determines the number of times of a round upper limit by the lottery by random 6 was illustrated with the gestalt of this operation, you may make it a predetermined lottery (for example, comparison with a random number and a decision value) determine whether the internal structure of adjustable winning—a-prize equipment is changed specially, and the timing (for example, round to change) to change. A movable member can be prepared in that case in a large winning—a-prize mouth (adjustable winning—a-prize sphere equipment 24), and it can winning—a-prize mouth (adjustable winning—a-prize equipment 24), and it can where a game sphere tends to win a prize of V winning—a-prize field as a specific where a game sphere tends to win a prize of V winning—a-prize field as a specific can field. Moreover, timing to which a internal structure is changed may be produced and carried out into the great success game state as a specific game state, and after carried out into the great success game state as a specific game state, and after out.

203, and the pattern drop 10 is usually formed in the upper part in adjustable [0180] The gate 32 which built in gate switch 32a is established in the game field starting winning-a-prize mouth 204b is attained. equipment 15 changes into an open state, winning a prize of a game sphere of established in the game field. In addition, when adjustable winning-a-prize sphere starting winning-a-prize mouths 204a-204c are equivalent to the starting field prize sphere equipment 220 carries out predetermined period opening. That is, the winning-a-prize mouths 204a-204c. According to detection, adjustable winning-astarting ball detectors 205a-205c if a game sphere wins a prize of the starting 205c (starting detection means) are arranged. A game sphere will be detected by the 204c of the left and Nakamigi who built in the \*\*\*\*\* starting ball detectors 205awinning-a-prize sphere equipment 220, the starting winning-a-prize mouths 204aadjustable winning-a-prize sphere equipment 220 is arranged. Under the adjustable game field 203 in it. In the center of a simultaneously of the game field 203, in the shape of a circle, and the field divided by the guidance rail 202 forms the discharged game sphere is mostly installed in the front face of the game board 201 showing the game board 201. In drawing 27 , the guidance rail 202 for guiding the applicable also to the 2nd sort pachinko game machine. Drawing 27 is the front view the 1st sort pachinko game machine was made into the example, this invention is

203, and the pattern drop 10 is usually formed in the upper part in adjustable winning—a—prize sphere equipment 220. The pattern drop 10 usually indicates the common pattern which consists of a number of 0–9 by adjustable. Furthermore, near the pattern drop 10, the common pattern starting storage drop 41 which consists of four Light Emitting Diodes is usually formed. If it is in the state which can usually perform an adjustable display in the pattern drop 10 when a game sphere wins a perform an adjustable display in the pattern drop 10 when a game sphere wins a storage will usually be increased one if it is not in the state which can perform an adjustable display, and pattern starting storage (formed in Backup RAM) does not adjustable display, and pattern starting storage (formed in Backup RAM) does not

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10 ] a display (halt pattern), only in the number of times of predetermined, and a starting storage drop 41 is increased. usually amount to 4, one Light Emitting Diode usually turned on in the pattern

and Solenoids 224a and 224b turn on. Moreover, when Solenoids 224a and 224b turn it connects with Solenoids 224a and 224b through a link mechanism, respectively closing rotate in the direction which opens the up winning—a—prize space 222, when a-prize space 223 possible [ rotation ]. The pieces 223a and 223b of opening and 223b of opening and closing of a right-and-left couple are formed in the up winninga-prize space 222 is formed in the attachment substrate 221. The pieces 223s and sphere equipment 220 in the front face of the game board 201, and the up winning-[0183] It has the attachment substrate 221 for attaching adjustable winning-a-prize 208a and 208b, and the side lamps 210a and 210b are prepared in the game field 203. wind-mill lamps 207a and 207b besides the above-mentioned composition, wind mills mouth 211 grade which built in the wind mills 206a and 206b which contained the called starting operating state. Moreover, the side lamp trims 209a and 209b and out winning-a-prize detection of the starting ball detectors 205a-205c in this way is winning-a-prize sphere equipment 220 performs open operation according to sphere equipment 220 is opened twice wide. Moreover, the state where adjustable among the starting winning-a-prize mouths 204a-204c, adjustable winning-a-prize once wide, and when a prize of central starting winning-a-prize mouth 204b is won mouths 204a-204c, adjustable winning-a-prize sphere equipment 220 is opened mouths 204a and 204c on either side is won among the starting winning-a-prize equipment 220 is shown in drawing 28, when a prize of the starting winning-a-prize reference to drawing 28 and drawing 29. As adjustable winning-a-prize sphere [0182] Next, adjustable winning-a-prize sphere equipment 220 is explained with 204b by winning a prize. open state. That is, a game sphere is set possible to starting winning a prize mouth predetermined time, adjustable winning-a-prize sphere equipment 15 will be in an [0181] When it is usually as a result of I of the adjustable display in the pattern drop

adjustable winning-a-prize sphere equipment which a internal structure changes to sphere equipment 220 shown in drawing 28 and drawing 29 is an example and is [0185] In addition, as long as the composition of the adjustable winning-a-prize sides of the attachment substrate 221. and 227b through the ball paths 226a and 226b formed in the right-and-left both it is sent into the lower winning-a-prize space 230 from the ball exhaust ports 227a

detectors 225a and 225b passes the winning-a-prize ball detectors 225a and 225b, 222. In addition, after the winning-a-prize ball detected with the winning-a-prize ball space 222 are formed in the bottom wall portion of the up winning-a-prize space couple which detects the game sphere which won a prize of the up winning-a-prize [0184] The winning-a-prize ball detectors 225a and 225b of the right-and-left off, it rotates in the direction which closes the up winning-a-prize space 222.

two or more states (the state of the adjustable winning-a-prize sphere equipment

220 which is easy to win a prize of the specific field to which the game sphere is prepared in adjustable winning-a-prize sphere equipment 220, and state of adjustable winning-a-prize sphere equipment 220 which cannot win a prize easily), and deals in it, it may be what composition.

and deals in it, it may be what composition.

[0186] Moreover, the number of times drop 229 of continuation which displays the number of times of continuation of the round in the winning—a—prize number drop 228 and the specific game state which display the number of detection of the winning—a—prize ball by the winning—a—prize ball detectors 225a and 225b on the rear—face wall in the up winning—a—prize space 222 is formed. In addition, the pattern as identification information corresponding to the number of the maximum number drop 228 and the probability state is also displayed on the winning—a—prize number drop 228 and the number—of—times drop 229 of continuation at a number drop 228 and the number—of—times drop 229 of continuation serve also as number drop 228 and the number—of—times drop 229 of continuation serve also as adjustable display for displaying identification information. Of course, the adjustable display for displaying identification information may be prepared adjustable display for displaying identification information may be prepared separately [ the winning—a—prize number drop 228 and the number—of—times drop separately [ the winning—a-prize number drop 228 and the number—of—times drop

229 of continuation J. The up rolling board 240 allotted behind [ upper-limit section ] the lower rolling board 231 which rolls the winning—a-prize ball sent in from the ball exhaust ports 227s and 227b toward back, the opening 232 formed in the down-stream edge of the lower rolling board 231, the opening—and-closing board 234, and the rotating drum 236 is formed in the lower opening 232, the rotating drum 236 rotated in the upper part position of the opening—and-closing board 234, and the rotating drum 236 is formed in the lower winning—a-prize space 230. A solenoid 235 turns on, advance movement is carried out in the direction which opening 232 closes. Moreover, when a solenoid 235 turns out in the direction which opening 232 closes. Moreover, when a solenoid 235 turns off, retrogression movement is carried out in the direction which opens opening 232. [0188] A motor 238 is connected with a rotating drum 236 through each connection gears 237a-237c, and, on the other hand, it always rotates to \*\* by constant speed sears 237a-237c, and, on the other hand, it always rotates to vestent speed according to the drive of a motor 238. However, a motor 238 is able to rotate to an according to the drive of a motor 238. However, a motor 238 is able to rotate to an according to the drive of a motor 238. However, a motor 238 is able to rotate to an

opposite direction. [0189] Moreover, permanent magnets 239a-239c are installed in the peripheral surface of a rotating drum 236 by three horizontal single tiers of the left and Nakamigi. Therefore, in the state of synizesis of the opening 232 with the opening and-closing board 234, a rotating drum 236 attracts the game sphere which it stays on the opening board 234 by the magnetism of permanent magnets 239a-239c, and sends it into rotation operation with the attracted game sphere at the up rolling sends it into rotation operation with the attracted game sphere at the up rolling

board 240. [0190] Each ramps 240a and 240b which carry out a declivity to a longitudinal direction bordering on a center are formed in the back side of the up rolling board 240, and the ball paths 241a and 241b which send in again the game sphere rolling

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on Ramps 240s and 240b on the lower rolling board 31 are formed in the downstream (right-and-left both sides) of Ramps 240s and 240b. In addition, the declivity of the ramps 240s and 240b is carried out a little also to the back side. Moreover, the specific acceptance mouth 242 as a specific field is formed in the center of back of the up rolling board 240, and the movable members 243a and 243b of a right-and-left couple are formed in it ahead of the specific acceptance mouth

the specific ball detector 248. sphere won a prize of the specific acceptance mouth 242, and was detected with addition, in the following explanation, it is also called V winning a prize that the game not illustrated is formed in the downstream of the specific ball detector 248. In through the lower part position of the opening-and-closing board 234 and which is specific acceptance mouth 242. The ball path which discharges the detected ball included in the specific acceptance mouth 242 is formed in the interior of the detector 248 as a specific detection means to detect the winning-a-prize sphere the periphery of the specific acceptance mouth 242. Moreover, the specific ball [0192] Two or more Light Emitting Diode drops 247 for an ornament are formed in the direction which cancels interception of the specific acceptance mouth 242 front. when a solenoid 245 turns on. Moreover, when a solenoid 245 turns off, it rotates in in the direction which intercepts the front of the specific acceptance mouth 242, which constitutes a solenoid 245 The movable members 243a and 243b are rotated 244a and 244b (movable members 243a and 243b) attitude operation of plunger 245a connection — a member 246 changes into rotation operation of the axes of rotation interlocking sections 246a and 246b of a member 246 are attached in one in addition, solenoid 245 with the back end of the axes of rotation 244a and 244b -- each the movable members 243a and 243b in one, respectively, and connected the [0191] the connection which the axes of rotation 244a and 244b were attached in 242.

60193] In the composition mentioned above, adjustable winning—a-prize sphere equipment 220 will be in the state where a game sphere cannot win a prize of a specific field easily, by what is maintained in the position where the movable members 243a and 243b do not intercept the front of the specific acceptance mouth 242 (have evacuated to the upper part). Moreover, when the opening—and—closing board 234 opens opening 232, it can change into the state where a game sphere

cannot win a prize of a specific field easily.

[0194] Drawing 30 is the block diagram showing an example of the circuitry in the game control board (the main substrate) 31 currently installed in the rear face of a game machine. In addition, the expenditure control board 37, the ramp-control substrate 35, the sound control board 70, the discharge control board 91, and the pattern control board (henceforth a display-control substrate) 80 are also shown in drawing 30. The basic circuit 53 which controls a pachinko game machine according to a program, and the switching circuit 58 which gives the specific ball detector 248, the starting ball detectors 205a-205c, the winning-a-prize ball detectors 225a and the starting ball detectors 205a-205c, the winning-a-prize ball detectors 225a and

225b, and the detecting signal from the clear switch 921 to the basic circuit 53 are carried in the main substrate 31.

carried in the main substrate 31. [0195] Moreover, the solenoid circuit 59 which drives each solenoids 224a, 224b, and 235,245 according to the instructions from the basic circuit 53, and the motor circuit 53 are carried in the main substrate 31. Moreover, the information output circuit 64 which outputs information output signals, such as great success information which shows generating of great success according to the data given from the basic circuit shows generating of great success according to the data given from the basic circuit 53 to extend devises such as a hole computer is carried

53, to external devices, such as a hole computer, is carried. [0196] The basic circuit 53 contains RAM55 as ROM54 which memorizes the program for game control etc., and a storage means (a means to memorize change data) used as work memory, CPU56 which performs control action according to a program, and the I/O Port section 57. With the gestalt of this operation, ROM54 and RAM55 are built in CPU56. That is, CPU56 is 1 chip microcomputer. In addition, that,

and the I/O Port section 57 are external, they may be built in. [0197] moreover, the backup power supply by which a part or all of RAM (you may be the CPU built—in RAM.)55 is created in the power supply substrate 910 — it is the backup RAM backed up That is, even if the electric power supply to a game machine stops, the part or all the contents of RAM55 are saved for a predetermined

as for I chip microcomputer, RAM55 should just be built in at least, even if ROM54

[0199] Moreover, the power supply substrate 910 grade in which the backup power means, and sound control means may be carried in one substrate. be carried in one substrate. Furthermore, a display-control means, a ramp-control expenditure control board 37. A ramp-control means and sound control means may sphere as a premium is controlled by the expenditure control means carried in the loudspeaker 27. And the sphere expenditure equipment 97 which pays out the game Moreover, the sound control means carried in the sound control board 70 control a a-prize number drop 228 and the number-of-times drop 229 of continuation. display-control means carried in the display-control substrate 80 with the winning-Moreover, the display control of the pattern drop 10 is usually performed by the emitting part material by the gestalt of this operation in a predetermined mode. drop 247, and other frame ornament lamps, and controls operation of various lightlamps 210s and 210b, the wind-mill lamps 207s and 207b, the Light Emitting Diode outputs a control signal to various light-emitting part material, such as the side [0198] In addition, the ramp-control means carried in the ramp-control substrate 35 period.

of the gestalt 1 of operation. [0200] Drawing 31 is the block diagram usually showing the circuitry in the display—control substrate 80 with the output port (ports 0 and 2) 570,572 and the output—buffer circuits 620 and 62A of the pattern drop 10, the winning—a-prize number drop 228 and the number—of-times drop 229 of continuation, and the main substrate 51.

supply was also carried is also installed in the game machine rear tace like the case

repeat open operation of a predetermined time 18 times (18 times of opening-andcontrol means ] ON/OFF control, the pieces 223a and 223b of opening and closing [0204] In the state of a specific game, when a solenoid 235 carries out [ game in the specific ball detector 248, a specific game state occurs at this time. (detection of the game sphere by the specific ball detector 248) of the game sphere discharged after passing the specific ball detector 248. Moreover, based on passage which V winning a prize was done) sent to the specific acceptance mouth 242 is 242 by quite high probability (it is not 100%). And the game sphere of permanent magnet 239b, the game sphere is sent to the specific acceptance mouth which it stayed on the opening-and-closing board 234 is attracted by central 241b falls, and opening 232 is discharged. On the other hand, when the game sphere And through the lower rolling board 231, the ball sent to the ball paths 241a and opening 232 by OFF control of the solenoid 235 by game control means at this time. addition, the opening-and-closing board 234 is moving in the direction which opens the game sphere is sent to the ball paths 241a and 241b by 100% of probability. In is attracted by the permanent magnets 239a and 239c on either side at this time, [0203] When the game sphere which it stayed on the opening-and-closing board 234 236, it will be sent into the up rolling board 240 with rotation of a rotating drum 236. time of opening 232 by one permanent magnets 239a-239c of the rotating drums sphere sent into the lower winning-a-prize space 230 is attracted within the closing detect a winning-a-prize ball until a predetermined time passes. And if the game which closes opening 232 after the winning-a-prize ball detectors 225a and 225b game control means, the opening-and-closing board 234 moves in the direction prize ball detectors 225a and 225b. Moreover, by ON control of the solenoid 235 by ball will be sent into the lower winning-a-prize space 230 through the winning-ain the up winning-a-prize space 222 during the open operation, the winning-a-prize pieces 223a and 223b of opening and closing will open. It a game sphere wins a prize predetermined—time ON of the solenoids 224a and 224b will be carried out, and the 220 by game control means is explained. If starting operating state occurs, [0202] Next, operation control of the adjustable winning-a-prize sphere equipment drop 229 of continuation according to the received display-control command. the pattern drop 10, the winning-a-prize number drop 228, and the number-of-times controls. And CPU101 for display controls usually performs the display control of prepared between the input-buffer circuits 105A and 105B and CPU101 for display when CPU101 for display controls does not build in the I/O Port, an I/O Port is general-purpose IC can be used as input-buffer circuits 105A and 105B. In addition, buffer circuit 105B from the main substrate 51. 74HC540 and 74HC14 which are data ROM102 and an INT signal is inputted through a noise filter 107 and inputinput-buffer circuit 105A, if it operates according to the program stored in control [0201] CPU101 for display controls will receive a display-control command through .076 thoq tudion as mort betutudion is output port 570. From an output port (output port 2) 572, 8-bit data are outputted and a 1-bit strobe

223a and 223b of opening and closing (number of times of a round), and the winningdrop 229 of continuation displays the number of times of continuation of the pieces times (15 rounds). Moreover, in such a specific game state, the number-of-times [0207] The number of times of continuation of a round is permitted a maximum of 15 except the last round, the right of continuation will be materialized. 242 as a specific field in each round (18 times of opening-and-closing cycles) closing cycles, and if a game sphere wins a prize of the specific acceptance mouth is, with the gestalt of this operation, one round consists of 18 times of opening-andpredetermined interval passage of time. That is, the following round is started. That cycle of the pieces 223a and 223b of opening and closing again after the closing cycles is materialized. Formation of the right of continuation starts the open the specific ball detector 248, the right of continuation of 18 times of opening and Winning a prize was done) included in the specific acceptance mouth 242 passes specific acceptance mouth 242. And when the game sphere (game sphere of which 243a and 243b rolls the up rolling board 240 to straight back, and goes into the being turned off. Therefore, the winning-a-prize ball caught by the movable members interception of the specific acceptance mouth 242 front in each solenoid 235,245 opens opening 232 wide, and the movable members 243a and 243b cancel opening-and-closing cycle of the last round, the opening-and-closing board 234 prize ball detectors 225a and 225b after an opening-and-closing cycle end), in the time for all the game spheres that won a prize being detected by the winning-a-[0206] Then, with the end of an opening-and-closing cycle (waiting for sufficient 243a and 243b of the specific acceptance mouth 242 front. permanent magnet 239b, the winning-a-prize ball is caught by the movable members which it stayed on the opening—and—closing board 234 is attracted by central opening-and-closing board 234 again. On the other hand, when the game sphere lower rolling board 231 through the ball paths 241s and 241b, and it stays it on the permanent magnets 239a and 239c on either side, the game sphere is sent into the sphere which it stayed on the opening—and-closing board 234 is attracted by the till the end point in time of an opening-and-closing cycle. Therefore, when the game sphere equipment 220 into the opening-and-closing cycle does not fall opening 232 [0205] Therefore, the game sphere which won a prize of adjustable winning-a-prize prize of the specific acceptance mouth 242). acceptance mouth 242 except for the last cycle (it becomes impossible to win a the movable members 243a and 243b always intercept the front of the specific always turned on, the opening and closing board 234 always closes opening 232, and of the pieces 223a and 223b of opening and closing is that each solenoid 235,245 is closing is ended at the time. Moreover, the inside of the opening-and-closing cycle 225a and 225b, the switching action of the pieces 223a and 223b of opening and when ten winning-a-prize balls are detected by the winning-a-prize ball detectors closing cycles). In addition, before completing an opening-and-closing cycle 18 times,

a-prize number drop 228 displays the winning-a-prize number for every round.

[0208] Mext, operation of a game machine is explained. The game control means (circumference circuits, such as CPU56, and ROM, RAM) in the main substrate 31 will start the processing shown in drawing 9, and the same main processing, if a power supply is switched on to a game machine and the input level of a reset

terminal becomes high-level. [0209] If a timer interruption occurs after execution (Steps S11-S15) of the initialization processing in main processing is completed, CPU56 will perform game control processing of Steps S81-S92 shown in drawing 32, after performing evacuation processing (Step S80) of the register shown in drawing 32. In game control processing, first, through a switching circuit 58, CPU56 inputs the detecting signal of the switch of the specific ball detector 248, the starting ball detectors 205a-205c, and the winning-a-prize ball detectors 225a and 225b, and performs the same indicate the same signal of the specific ball detectors 255a and 225b, and performs 205a-205c, and the winning-a-prize ball detectors 255a and 225b, and performs

those state judgings (switch processing: step 581). [0210] Subsequently, various unusual diagnostic processes are performed by the self-checking function with which the interior of a pachinko game machine is equipped, and according to the result, if required, an alarm will be emitted (error

pachinko game machine in predetermined sequence according to a game state is control, processing which corresponds according to the process flag for controlling a [0213] Furthermore, CPU56 performs process processing (Step 586). In process determination per pattern as a random number for initial value. number for the number determination of rounds, and the random number for state determining the initial value of the random number for a judgment, the random drop 10 as a random number for a display, and there is a random number for usually There is a random number for usually determining the halt pattern in the pattern pattern as a random number for a judgment and the end of a specific game state. and the number of the maximum continuation rounds in a great success game per determination of rounds) for usually determining the random number for a judgment easy to carry out after the random number (random number for the number of the internal structure of adjustable winning-a-prize sphere equipment S0 is made (random number for state determination) for determining whether V winning a prize [0212] In addition, with the gestalt of this operation, there is a random number for a display, and the random number for initial value further (Steps S84 and S85). which updates the counted value of the counter for generating the random number judging used for game control, is performed (Step 583). CPU56 performs processing generating each random number for a judgment, such as a random number for a hit [0211] Mext, processing which updates the counted value of each counter for processing: step S82).

processing according to a game state. [0214] Moreover, pattern processing, processing to which it usually performed (Step S87). By pattern process processing, processing to which it usually corresponds according to a pattern process flag in order to usually control the display state of the pattern

selected and performed. And the value of a process flag is updated during each

game state. In addition, pattern process processing is usually an execute permission of a pattern process flag is usually updated during each processing according to a drop 10 in predetermined sequence is usually selected and performed. And the value

administrative computer, such as great success information and starting information information output processing which outputs data supplied to for example, a hole command (command control processing : step 588). Furthermore, CPU56 performs command as the predetermined field of RAM55, and transmits a display-control [0215] Subsequently, CPU56 performs processing which sets a display-control like the case (refer to drawing 25) of the gestalt 1 of operation.

awarded-balls number. Then, the content of a register is returned (Step S93) and it equipment 97 according to the expenditure control command which shows the control carried in the expenditure control board 37 drives sphere expenditure number to the expenditure control board 37 is outputted. CPU371 for expenditure etc. turned on, the expenditure control command which shows the awarded-balls a-prize detection based on what the winning-a-prize ball detectors 225a and 225b ball detectors 225a and 225b, etc. (Step S92). Specifically according to the winningthe awarded-balls number based on detecting signals, such as the winning-a-prize [0217] And CPU56 performs awarded-balls processing which performs a setup of orders it the drive of a motor 38 is given to the motor circuit 60 (Step S91). predetermined conditions are satisfied (Step S90). Furthermore, the signal which [0216] Moreover, CPU56 performs drive instructions in the solenoid circuit 59, when information, (Step 589).

made to perform in timer-interruption processing with the gestalt of this operation in shown that interruption occurred is made, and game control processing may be performed by timer-interruption processing, only the set of a flag in which it is the gestalt of this operation. In addition, although game control processing is [0218] By the above control, game control processing will be started every 2ms with is set as an interruption authorized state (Step S94).

according to an internal state (this example process flag). The following processings [0220] In process processing, CPU56 processes either of Steps 5500-5508 drawing 33 is concrete processing of Step 586 in the flow chart of drawing 32. process processing which CPU56 performs. The process processing shown in [0219] Drawing 33 is a flow chart which shows an example of the program of the main processing.

starting ball detectors 205a-205c, the value of a process flag will be changed so that detectors 205a-205c have detected the game sphere and there is detection by the [0221] Usually, processing (Step S500): If it checks whether the starting ball are performed in Steps 5500-5508.

winning-a-prize sphere equipment 220, set up specific ball life (setup by software). predetermined period and the number of times of predetermined opening adjustable [0222] Starting operation processing (Step S501): While performing control for only a it may shift to Step 5501.

And if the open period of adjustable winning-a-prize sphere equipment 220 passes, after performing processing for closing adjustable winning-a-prize sphere equipment 220, the value of a process flag is changed so that it may shift to Step S502. Check whether V winning a prize has been during specific ball life. When there is V winning a prize, lots are cast after specific ball life progress as generating of great success in the probability state about the game state after the number of the maximum probability state about the game state after the number of the maximum continuation rounds in a great success game (specific game state), and a great success game, and the value of a process flag is changed so that it may shift to success game, and the value of a process flag is success game, and the value of a process flag is success game, and the value of a process flag is

changed so that it may shift to Step S503): Transmit the command for directing a [0224] Round start pretreatment (Step S503): Transmit the command for directing a round start to the display—control substrate 80 or the ramp—control substrate 35. Then, the value of a process flag is changed so that it may shift to Step S504. [0225] Round Naka processing (Step S504): An opening—and—closing cycle supervises whether ten winning—a-prize balls were detected by an end or the winning—a-prize ball detectors 225a and 225b 18 times. Before completing the opening—and—closing cycle 18 times or completing an opening—and—closing cycle 18 times, when ten winning—a-prize balls are detected by the winning—a-prize ball detectors 225a and 225b, the value of a process flag is changed so that it may shift detectors 225a and 225b, the value of a process flag is changed so that it may shift

to Step S505. When the number of the check processing (Step S505): When the number of the maximum continuation rounds is not reached, it checks whether there has been any V winning a prize, and if there is V winning a prize, the value of a process flag will be changed so that it may shift to Step S503. If there is no V winning a prize, the value of a process flag will be changed so that it may shift to Step S506. Moreover, when of a process flag will be changed so that it may shift to Step S506. Moreover, when the number of the maximum continuation rounds is reached, the value of a process of a process flag will be changed so that it may shift to Step S506.

flag is changed so that it may shift to Step 5506.

[0227] In addition, at the last round (round of the time which is in agreement with the number of the maximum continuation rounds), game control means change the internal structure of adjustable winning—a-prize sphere equipment 220. For example, adjustable winning—a-prize sphere equipment 220 is changed into the state where a game sphere cannot win a prize of a specific field easily, by what (have evacuated to position which does not intercept the front of the specific acceptance mouth 242. Moreover, in the last round, game control means are disregarded, even if a game sphere wins a prize of a specific field. That is, at the last round, the state where a game sphere does not win a prize of a specific field in software is set up.

[0228] Specific game state end processing (Step 5506): Transmit the command for directing a specific game state end to the display—control substrate 80 or the ramp—control substrate 35. Moreover, control for reporting the probability state control substrate 35. Moreover, control for reporting the probability state

the display-control command which specifically directs change (suppose that an adjustable indication of the number of "1" - "9" is given in this example.) of the pattern in the adjustable display 228,229 for reporting a probability state to the display-control substrate 80, and a halt pattern is transmitted. Then, the value of a process flag is changed so that it may shift to Step S507.

process first is changed so that it may shift to 5tep 5507). If the change period of pattern change passes, the value of a process flag will be changed so that it may shift to

Step 5508. [0230] Pattern halt processing (Step 5508): Transmit the display-control command which directs a halt of change of a pattern to the display-control substrate 80. Moreover, the internal flag (the high probability-changing flag mentioned later and inside probability-changing flag) about a probability state is set up. Then, the value of a process flag is changed so that it may shift to Step 5500.

[0231] Drawing 34 is explanatory drawing showing each random number. Each

- random number is used as follows.
  (1) Determine whether usually generate the hit based on a pattern in the random
- 5:common pattern drop 10 (usually for [ pattern this ] \*\*\*\*\*\*). (2) Determine the number of the maximum continuation rounds in a random 6:great
- success game (for the number determination of rounds). (3) Random 5 initial-value (3) Random 8 : determine the initial value of random 5 (for random 5 initial-value
- determination). (4) Random  $\theta$  : determine the initial value of random  $\theta$  (for random  $\theta$  initial-value
- determination). (5) Determine the game state after a random 10:great success game end (for state
- determination). (6) Random 11 : determine the initial value of random 10 (for random 10 initial-value
- determination). (D232] In addition, at Step S83 in the game control processing shown in drawing 32, CPU56 counts up the counter for [ of (1) ] usually generating pattern this the random number for \*\*\*\*\*\*, the random number for the object for the state determination of (5) (1 addition). That is, they are the random numbers for a judgment and random numbers other than these are a random number for a display, or a random number for initial value. In addition, the game effect is heightened random numbers about a pattern other than the random number of above-mentioned (1) (6) etc. are usually used for accumulating random number of above-mentioned (1) (6) etc. are usually used for accumulating

is also an example, and other ranges can also be used. [0233] Drawing 35 is explanatory drawing showing an example of a relation with the decision value for determining the random number for the number determination of rounds (random 5), and the number of the maximum continuation rounds. As shown in drawing 35, with the gestalt of this operation, it is decided as the number of the maximum continuation rounds that it will be either of eight to 15 rounds. That is, if in

Moreover, the range which each random number value shown in drawing 34 can take

agreement with the value the value of the extracted random 5 was indicated to be to the right column of drawing 35, the number of the maximum continuation rounds

shown in the left column will be determined.

[0234] The determined number of the maximum continuation rounds is displayed in the winning—a—prize number drop 228 and the number—of—times drop 229 of continuation, before for example, a great success game is started. In this case, although only a determination result may be displayed, since the adjustable display of a pattern etc. is directed, you may display a determination result. Moreover, the number fewer than the determined number of the maximum continuation rounds before a start is displayed, and the number whose number increased before the start of each round is displayed, and you may make it display the number of the maximum of each round is displayed, and you may make it display the number of the maximum continuation rounds on a great success game before the round start before the last round corresponding to the maximum continuation round. Since the number which increases gradually is reported to a game person's hope.

Value of random 10 (random number for state determination) and probability state which were extracted. A high probability state is in the state which is easy to carry out V winning a prize from an inside probability state, after a great success game is completed. An inside probability state, after a great success game is completed. An inside probability state, after a great success game is completed. Winning a prize from a low probability state, after a great success game is completed. On the inside probability state, after a great success game is completed. On State and some control means extract random 10, and drawing 36 based on the relation shown in an extraction value and drawing 36 based on the relation shown in an extraction value and drawing 36 and determine the game state after a great success game end. In addition, after the end of a great success game, the adjustable display 228,229 is used for a shown in drawing 36 is a pattern for reported to a game person. The information pattern shown in drawing 36 is a pattern for reporting the determination result of the game state after a great success game end. In this case, although only a determination result be displayed, since the adjustable display of a pattern etc. is directed, a result may be displayed, since the adjustable display of a pattern etc. is directed, a

determination result is expressed as the gestalt of this operation. George as the gestalt of this operation.

[0237] Drawing 37 is a flow chart which shows an example of the random number update process for a judgment (Step S83) performed by the game control processing shown in drawing 32. In the random number update process for a judgment, CPU56 carries out the value of the counter for generating random 5 (usually per pattern random number for a judgment) +one (Step S201). When the value of the counter for generating random 5 has become above (maximum +1), (Step S202) and counted generating random 5 (step S203). In addition, with the gestalt of this operation, value are returned to 3 (Step S203). In addition, with the gestalt of this operation,

(maximum +1) is 14. [0238] It checks whether it has been in agreement with the value with which the value of the counter for generating random 5 is saved as initial value at the initial value buffer for random 5 (Step S204). If not in agreement, counted value remains as

remains as it is. When in agreement, random 11 (random number for random 10 the initial value buffer for random 10 (Step S224). If not in agreement, counted value which the value of the counter for generating random 10 is saved as initial value at [0242] And it checks whether CPU56 has been in agreement with the value with operation, (maximum +1) is 12. and counted value are returned to 0 (Step S223). In addition, with the gestalt of this the counter for generating random 10 has become above (maximum +1), (Step S222) number for state determination) is carried out +one (Step S221). When the value of [0241] Furthermore, the value of the counter for generating random 10 (random initial value buffer for random 6 is also formed in Backup RAM. Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 6 is saved at although it is set as the counter for "0" generating random 6 as initial value when a value of the counter for generating random 6 is changed at this time. In addition, is set as the counter for generating random 6 (Step S217). Therefore, the initial initial value at the initial value buffer for random 6 (Step S216), the extracted value counter for generating random 9 is inputted. And while saving the extracted value as value determination) is extracted (Step S215). That is, the counted value of the remains as it is. When in agreement, random 9 (random number for random 6 initialthe initial value buffer for random 6 (Step S214). If not in agreement, counted value which the value of the counter for generating random 6 is saved as initial value at [0240] And it checks whether CPU56 has been in agreement with the value with gestalt of this operation, (maximum +1) is 19. (Step S212) and counted value are returned to 0 (Step S213). In addition, with the value of the counter for generating random  $\delta$  has become above (maximum +1), for the number determination of rounds) is carried out +one (Step S211). When the [0.239] Moreover, the value of the counter for generating random 6 (random number change data-storage means, when an electric power supply is restored. continue numerical updating based on the numeric value currently held at the initial value buffer for random 5 is also formed in Backup RAM. Game control means Backup RAM, it is returned to a preservation value at a power up. Moreover, the power supply is supplied to a game machine, when the value of random 5 is saved at "3" is generally saved as initial value at the initial value buffer for random when a the counter for generating random 5 is changed at this time. In addition, although as the counter for generating random 5 (Step S207). Therefore, the initial value of value at the initial value buffer for random 5 (Step S206), the extracted value is set for generating random 8 is inputted. And while saving the extracted value as initial determination) is extracted (Step S205). That is, the counted value of the counter it is. When in agreement, random 8 (random number for random 5 initial-value

initial-value determination) is extracted (Step S225). That is, the counted value of the counter for generating random 11 is inputted. And while saving the extracted value as initial value at the initial value buffer for random 10 (Step S226), the

extracted value is set as the counter for generating random 10 (Step S227). Therefore, the initial value of the counter for generating random 10 is changed at this time. In addition, although it is set as the counter for "0" generating random 10 of random 10 is saved at Backup RAM, it is returned to a preservation value at a power up. Moreover, the initial value buffer for random 10 is also formed in Backup power up. Moreover, the initial value buffer for random 10 is also formed in Backup power up. Moreover, the initial value buffer for random 10 is also formed in Backup power up. Moreover, the initial value buffer for random 10 is also formed in Backup currently held at the change data-storage means, when an electric power supply is restored

restored. [0243] Drawing 39 is a flow chart which shows an example of the random number update process for initial value repeatedly performed in interruption remainder time (time until next 2ms timer interruption occurs after a game control processing shown in drawing 9 (Step S18) while being performed once in the main processing shown in drawing 32 (Step S85).

the game control processing shown in drawing 32 (Step S8b).

[0244] In the random number update process for initial value, CPU56 carries out the value of the counter for generating random 8 (random number for random 5 initial—value determination) +one (Step S231). When the value of the counter for generating random 8 has become above (maximum +1), (Step S232) and counter for generating rendom 5.

[0245] Moreover, CPU56 carries out the value of the counter for generating random 9 (random number for random 6 initial-value determination) +one (Step S234). When 9 (random number for random 6 initial-value determination) +one (Step S234). When the value of the counter for generating random 9 has become above (maximum +1), (Step S235) and counter for generating random 9 has become above (maximum +1), (Step S235) and counted value are returned to 0 (Step S235). In addition, (maximum +1), (Step S235) and counted value are returned to 0 (Step S235). In addition, (maximum +1),

+1) is 19 like the case of random 6. [0246] And CPU56 carries out the value of the counter for generating random 11 (random number for random 10 initial-value determination) +one (Step S237). When the value of the counter for generating random 11 has become above (maximum +1), (Step S238) and counted value are returned to 0 (Step S239). In addition, (maximum

+1) is 12 like the case of random 10. [0247] Drawing 40 is a flow chart which shows an example of Step S508 (pattern halt processing) in process processing. In pattern halt processing (processing which stops the production by the pattern change for reporting the game state after a great success game end), CPU56 performs processing which transmits the definite command which shows a change halt of a pattern to the display—control substrate 80 (Step S581). Subsequently, it checks whether it is being already in a probability—changing state (a high probability state, an inside probability state, or low probability state) (Step S582). If it is in a probability—changing state (a high probability atate, an inside probability state, or low probability—state) (Step S582). If it is in a probability—changing state, a high probability—changing state (a high probability atate, an inside probability atate, an inside probability state, and a process flag is usually updated to the value corresponding to processing (Step S500) (Step S586), and pattern halt end processing is ended.

[0248] if it is not in a probability-changing state, it will check whether the halt pattern displayed on the adjustable display 228,229 has been a high probability-

changing figure (this example — "1", "3" or "7", and refer to drawing 36) (Step S584) When it is a high probability—changing figure, a high probability—changing figure, a high probability—changing figure, set (Step S585). And a processing is usually updated to the value corresponding to processing (Step S500) (Step S586), and pattern halt end processing is ended. [0249] Moreover, when a halt pattern is an inside probability—changing figure, (Step S587) and an inside probability—changing flag are set (Step S587). And a process flag is usually updated to the value corresponding to processing (Step S500) (Step S586),

and pattern halt end processing is ended. [0250] When a halt pattern is a low probability pattern (pattern which is not a high probability—changing figure or an inside probability—changing figure or an

processing is ended.

[0251] As mentioned above, with the gestalt of this operation, it determines whether to make into a low probability state whether to make into an inside probability state whether to recifically realize.)

which are some game control means to consider as a high probability state based on a predetermined random number (random 10). And after a specific game state is completed, game control means are actually changed into a high probability state, an inside probability state, or a low probability state based on the determination result of a state determination means. Each state is realized by changing the internal structure of adjustable winning—a-prize sphere equipment 220. In addition, a high probability state is in the state where the high probability—changing flag is niside probability state is in the state where the inside probability—changing flag is set, an inside probability state is in the state where the inside probability—changing flag is set, and a low probability state is in the state where the low probability—changing gas is set, and a low probability state is in the state where the low probability—changing state is in the state where the low probability—changing state is in the state where the low probability—changing is

flag is set. [0252] And if a specific game state next arises, a probability-changing state (a high probability state, an inside probability state, or low probability state) will be ended [0253] In addition, although information by change of the pattern in the adjustable display 228,229 was performed with the gestalt of this operation after the specific game state was completed, and a setup of the probability state based on the determination by the state determination means is performed after the end of a specific game state, the information about a probability state may be made to be specific game state, the information about a probability state may be made to be

performed before a specific game state.

[0254] Drawing 41 is a timing chart for explaining change (change of a internal structure) of the state of the adjustable winning—a-prize sphere equipment 220 according to the set state of a high probability—changing flag, an inside probability—changing flag. As shown in drawing 41 (A), in the low probability state, according to detection of the game sphere by the starting ball detector, adjustable winning—a-prize sphere equipment 220 (specifically pieces 223a detector, adjustable winning—a-prize sphere equipment 220 (specifically pieces 223a and 223b of opening and closing) opens wide during the predetermined period by Solenoids 224a and 224b, and opening 235 will be in a predetermined period closing

carry out multiple-times opening according to detection ot a starting ball detector, [0257] In addition, although adjustable winning-a-prize sphere equipment 220 may probability state also from this. the state of being easy to do V winning a prize [ state / inside probability ] of a high intercepts the front of the specific acceptance mouth 242. Therefore, it will be in members 243a and 243b are maintained by the solenoid 245 in the position which to do V winning a prize of from an inside probability state. Moreover, the movable state and is long. Therefore, a high probability state will be in the state of being easy predetermined period in a closing state compares the case of an inside probability 235 will be in a predetermined period closing state by the solenoid 235. The the game sphere by the starting ball detector, in the high probability state, opening predetermined period opening by Solenoids 224a and 224b according to detection of equipment 220 (specifically pieces 223a and 223b of opening and closing) carries out [0256] As shown in drawing 41 (C), while adjustable winning-a-prize sphere winning a prize L state / low probability I of an inside probability state also from this. acceptance mouth 242 arises, and it will be in the state of being easy to do V caught by the movable members 243a and 243b in the front of the specific period and its state are maintained. Therefore, the period when a game sphere is solenoid 245 (moved to a lower part from the upper part), and a predetermined the position which intercepts the front of the specific acceptance mouth 242 by the low probability state. Moreover, the movable members 243a and 243b are moved to probability state will be in the state of being easy to do V winning a prize of from a predetermined period in a closing state is in a low probability state, an inside state in which V winning a prize is possible. Since it compares and is long when the up rolling board 240 with rotation operation of a rotating drum 236, it will be in the permanent magnets 239a-239c in a rotating drum 236, and since it is sent into the which it stays on the opening board 34 is attracted by the magnetism of the probability state and is long. In the state of closing of opening 32, the game sphere However, the predetermined period in a closing state compares the case of a low and opening 235 will be in a predetermined period closing state by the solenoid 235. closing) opens wide during the predetermined period by Solenoids 224a and 224b, prize sphere equipment 220 (specifically pieces 223a and 223b of opening and detection of the game sphere by the starting ball detector, adjustable winning-a-[0255] As shown in drawing 41 (B), in the inside probability state, according to the state of being comparatively hard to do V winning a prize of. win a prize of the specific acceptance mouth 242, comparatively. Namely, it will be in specific acceptance mouth 242, a game sphere will be in the state of being hard to sphere is not caught by the movable members 243a and 243b in the front of the acceptance mouth 242 (have evacuated to the upper part). Therefore, since a game maintained in the position which does not intercept the front of the specific state by the solenoid 235. Moreover, the movable members 243a and 243b are

the case where it opens only once is illustrated by drawing 41 . Moreover, it is in the

state which is hard to carry out V winning a prize from the normal state whose low probability state is not in a probability-changing state (a high probability state, or low probability state), and rather than an inside probability-changing state, although a normal state is in the state which is hard to carry out V winning a prize, it may change a low probability state into the same state

10 generates success game end — random — it is difficult to detect the timing which the value of value of 6 generates, and the number made into a high probability state after a great maximum continuation rounds -- random -- it responded to the timing which the pattern generates based on the signal, it responded to the largest number of the value of the random 5 which is usually in agreement with the hit decision value of a substrate from the main substrate 31 is able to be observed The timing which the the signal outputted to a game machine by the means of carrying an inaccurate counter for generating random 5, random 6, and random 10 becomes random Though value of the counter for generating 10 is changed Since the initial value of the operation, as explained above --5 -- random --6 -- and random -- the initial for state determination (random 10) per pattern takes I round with the form of this number for the number determination of rounds (random 6), and the random number for usually generating the random number for a judgment (random 5), the random value of the random number for initial value, when the counted value of the counter [0259] the random number for initial value is extracted and random based on the the state of being hard to do V winning a prize of, by controlling opening 232 further. controls the movable members 243b, and 243b, but, you may be made to change into number of the maximum continuation rounds, as shown in drawing 41 (A) it not only specific acceptance mouth 242 in that case in the round corresponding to the upper part) is maintained in the position which does not intercept the front of the a prize of the movable members 243a and 243b by what (to have evacuated to the 220. And although it illustrated changing into the state of being hard to do V winning being hard to do V winning a prize of adjustable winning-a-prize sphere equipment success game state (random round determined based on 6), it is set as the state of corresponding to the number of the maximum continuation rounds in a great [0258] Moreover, with the form of this operation, as mentioned above, in the round as a normal state.

[0260] As mentioned above, with the form of this operation, a game person performs a predetermined game, and it responds to specific condition formation, and is the round (with the form of this operation) of the advantageous number of times of predetermined for a game person. Control in the specific game state which becomes in the specific game state. It is based on formation of the continuation conditions by a game sphere winning a prize of the specific acceptance mouth 242 as a specific field. It is possible to make a predetermined round continue repeatedly until it reaches the number of times of a continuation upper limit (the form of this operation reaches the number of times of a continuation upper limit (the form of this operation

CPU56 perform. The processing especially in the step S502 is equivalent to the upper limit is realized by the form of this operation by the program which CPU56 and opportunity outside. In addition, the number-of-times determination means of an specify the timing which is in agreement with a predetermined value from the game 1st state (state advantageous to a game person) specially can make it difficult to the specific game state which controls adjustable winning-a-prize equipment in the Consequently, the numeric value used in order to determine the number of rounds in corresponds with a predetermined decision value becomes unfixed is realized. means for a judgment of a numeric value for the number of times of an upper limit machine controlled so that the timing whose numeric value updated with the renewal for the number determination of rounds at the form of this operation). The game on the extracted numeric value and a predetermined decision value (decision value times of a continuation upper limit of the round in a great success game state based number-of-times determination means of an upper limit to determine the number of numeric value for the number of times of an upper limit is extracted. It has a condition formation, the numeric value of the renewal means for a judgment of a the form of this operation counter for generating 6), Based on predetermined specific game state by predetermined numeric-value within the limits (random, with judgment of the number of times of a continuation upper limit of the round in a times of an upper limit to update the numeric value for a judgment used for the 15 times). A renewal means for a judgment of a numeric value for the number of

qisblay is completed. made. And it becomes a hit, after the lamp of O has stopped and an adjustable was drawn on each, and when two lamps light up by turns, an adjustable display is 510 consists of two lamps with which the pattern (they are O and x at this example) will usually be started. With the gestalt of this operation, usually, the pattern drop and is detected by gate switch 511a, the adjustable display in the pattern drop 510 from the game field 507 after that. If a game sphere passes through the gate 511 field 507 through between the outside rail 501 and the inner rails 502, and gets down [0262] The game sphere discharged from the hit ball launcher goes into the game 501 is attached in the main part of a pachinko game machine removable. of the 3rd sort pachinko game machine from the transverse plane. The game board pachinko game machine. Drawing 42 is the front view which saw the game board 501 machine was made into the example, this invention is applicable also to the 3rd sort although the 1st sort pachinko game machine or the 2nd sort pachinko game [0261] With the gestalt of each operation of the gestalt 3. above of operation, program.

[0263] When it becomes a hit, the electric accessory 550 usually operated and will be wide opened by the specific winning—a-prize mouth 532. if the game sphere with which the game sphere won a prize of the specific winning—a-prize mouth switch 532a — both — distribution — it goes into a member 535 \*\*\*\* [ passage of the special equipment operation judging

sphere is specially stored in the crevice of the flare-part material 542 of the lower Moreover, in change of the judgment pattern in the adjustable display 512, the game prepared in the portion of the equipment operation judging pattern gate 541. through the equipment operation judging pattern gate 541 specially is specially as an operation detection means which detects the game sphere which passed pattern \ in the adjustable display 512 \ then, ] In addition, pattern gate switch 541a pattern gate 541 in a flare part 540 / begin / an adjustable display / a judgment

[0.264] In addition, in the game field 507, the game sphere which usually won a prize part of the equipment operation judging pattern gate 541.

individual will pay out as a premium. specific winning-a-prize mouth switch 532a, the game sphere of a predetermined detected by the winning-a-prize mouth switches 513a, 514a, 515a, and 516a and mouth switches 513a, 514a, 515a, and 516a, respectively. If a game sphere is of the winning-a-prize mouth 513,514,516,616 is detected by the winning-a-prize

winning-a-prize mouth is wide opened for the opening-and-closing board 551 by the mouth switch 520a, it means winning a prize of a starting mouth. Moreover, a large When a game sphere is rotated by body of revolution 521 and detected by starting lower part of the body of revolution 521 in starting winning-a-prize equipment 520. winning-a-prize mouth which forms an electric accessory specially is formed in the equipment 555 which has the opening-and-closing board 551 for opening the large starting winning-a-prize equipment 520, and the adjustable winning-a-prize sphere 542 is usually guided to a field 543. In addition, body of revolution 521 is formed in pattern, the game sphere which was staying to the crevice of the flare-part material of the judgment pattern in the adjustable display 512 separates, and when it is a and a game sphere tends to win a prize. The adjustable display result (halt pattern) state (great success game state) where a large winning-a-prize mouth opens wide, will be detected by starting mouth switch 520a. Then, it shifts to the specific game starting winning-a-prize equipment 520 in a right generating state, the game sphere if a game sphere wins a prize of the starting mouth (an example of a starting field) in 544a specially prepared in the equipment operating space 544, a right will occur, and guided to the equipment operating space 544 with a guide. And if detected by sensor which was being stored in the crevice of the flare-part material 542 is specially adjustable display 512 hits, a hit occurs that it is a pattern, and the game sphere [0265] The adjustable display result (halt pattern) of the judgment pattern in the

of the game sphere to an equipment operating space) for generating a right again wins a prize of a starting mouth. However, when operation (specially winning a prize of a predetermined individual (the gestalt of this operation eight pieces or 16 pieces) large winning-a-prize mouth opens again. A right is continued until the game sphere large winning a prize mouth will be closed. And as long as the right is continuing, a individual (for example, ten pieces) wins a prize of a large winning-a-prize mouth, a [0266] In each open period (each round), if the game sphere of a predetermined open state by the bird clapper.

during continuation of a right is performed, the right disappears and a specific game state ends it. In addition, a released time (for example, 29.5 seconds) is decided about each opening, and if a released time passes even if the number of winning a prize does not reach a predetermined individual, a large winning—a—prize mouth will

be closed. [0267] Moreover, the game sphere which won a prize of a large winning—a-prize mouth into the specific game state is detected by count switch 551a. If a game sphere is detected by count switch 551a, the game sphere of a predetermined individual will pay out as a premium. And if the number of detection of the game sphere by count switch 551a turns into a predetermined number, a large winning—aphere by count switch 551a turns into a predetermined number, a large winning—a

prize mouth will be closed. [0268] In addition, a game control board (the main substrate), an expenditure control board, a ramp—control substrate, the sound control board, the discharge control board, the pattern supply are installed in the rear face of a game machine also with the form of this operation. The game control means realized in the main substrate like the case of the forms 1 and 2 of operation, and game control means control advance of a game. Moreover, you may usually be made to indicate a pattern and the judgment pattern with one adjustable display by adjustable. Moreover, with the form of this operation, it is equivalent to the special adjustable winning—a-prize equipment from operation, it is equivalent to the special adjustable winning—a-prize equipment from which adjustable winning—a-prize equipment from which adjustable winning—a-prize sphere equipment 555 can change to a state

advantageous to a game person. [0269] Mext, operation of a game machine is explained. The game control means (circumference circuits, such as CPU, and ROM, RAM) in the main substrate will start the processing shown in drawing 9, and the same main processing, if a power supply is switched on to a game machine and the input level of a reset terminal

becomes high-level. [0270] If a timer interruption occurs after execution (Steps S11-S15) of the initialization processing in main processing is completed, game control means will perform game control processing of Steps S331-S342 shown in drawing 43, after performing evacuation processing (Step S310) of the register shown in drawing 43. In game control processing, first, game control means input the detecting signal of switches, such as the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, specific winning-a-prize mouth switch said count switch 551a, and 516a, specific winning-a-prize mouth switch 532a, and count switch 551a, and perform

those state judgings (switch processing: step 5331). [0271] Subsequently, various unusual diagnostic processes are performed by the self-checking function with which the interior of a pachinko game machine is equipped, and according to the result, if required, an alarm will be emitted (error

processing: step 5332).

[0372] Most excepting which undates the counted value of each counter for

[0272] Next, processing which updates the counted value of each counter for generating each random number for a judgment used for game control is performed

during each processing according to a game state. game state is selected and performed. And the value of a process flag is updated controlling a pachinko game machine in predetermined sequence according to a In process control, processing which corresponds according to the process flag for [0274] Furthermore, game control means perform process processing (Step 5336). and judgment pattern. number for a judgment, the random number for the number determination of rounds, the initial value of the random number for a judgment per pattern per the random random number for initial value, there is a random number for usually determining for a judgment) for determining a gap as a random number for a judgment. As a game state per pattern has a random number (per judgment pattern random number number for a judgment and the number of times of round continuation of a specific determination of rounds) and judgment pattern for usually determining the random [0273] Moreover, hit/with the random number (random number for the number judgment pattern in the adjustable display 512 as a random number for a display etc. this operation, there is a random number for determining the halt pattern of the number for initial value further (Steps S334 and S335). In addition, with the form of value of the counter for generating the random number for a display, and the random (Step S333). Game control means perform processing which updates the counted

during each processing according to a game state.

[0275] Moreover, pattern process processing is usually performed (Step S337). By pattern process processing to which it usually corresponds according to a pattern process flag in order to usually control the display state of the pattern display 510 in predetermined sequence is usually selected and performed. And the value of a pattern process flag is usually updated during each processing according to a game state. In addition, pattern process processing is usually an execute permission like the case (refer to drawing 25) of the gestalt 1 of operation.

[0276] Subsequently, game control means perform processing which sets a display—control command as the predetermined field of RAM55, and transmits a display—control command (command control processing: step S338). Furthermore, game control means perform information output processing which outputs data supplied to control means perform information output processing which outputs data supplied to control means perform information output are great success information and for example, a hole administrative computer, such as great success information and for example, a hole administrative computer, such as great success information and

starting information information, (Step S339). [0277] Moreover, game control means output drive instructions to a solenoid, when predetermined conditions are satisfied (Step S340). Furthermore, the signal which orders it the drive of each motor is given to each motor (Step S341). [0278] And game control means perform awarded-balls processing which performs a setup of the awarded-balls number based on detecting signals, such as the winning-a-prize mouth switches 513a, 514a, 515a, and 516a and count switch 551a, etc. (Step S342). Specifically according to the winning-a-prize detection based on what the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, count switch 551a, etc. (Step S342). Specifically according to the winning-a-prize mouth switches 513a, 514a, 515a, and 516a, count switch 551a, etc. turned on, the expenditure control command which shows the awarded-balls etc. turned on, the expenditure control command which shows the awarded-balls

number to an expenditure control board is outputted. CPU for expenditure control

carried in the expenditure control board drives sphere expenditure equipment according to the expenditure control command which shows the awarded-balls number. Then, the contents of a register are returned (Step S343) and it is set as an integration authorized state (Step S344)

interruption authorized state (Step 5344).

[0279] By the above control, game control processing will be started every 2ms with the form of this operation. In addition, although game control processing is performed by timer—interruption processing, only the set of a flag in which it is shown that interruption occurred is made, and game control processing may be made to perform in timer—interruption processing with the form of this operation in

main processing. [0280] Drawing 44 is explanatory drawing showing each random number. Each

random number is used as follows.

- (1) Determine whether usually generate the hit based on a pattern in the random 5:common pattern drop 510 (usually per pattern for a judgment).
- (2) Determine the number of times of round continuation at the time of random 6:right generating (for the number determination of rounds).
- (3) Random 8 : determine the initial value of random 5 (for random 5 initial-value
- determination). (4) Random 6 (for random 6 initial-value (4) Random 6 initial-value
- determination). (5) Determine the hit based on a random 12:judging pattern (per judgment pattern for
- a judgment). (6) Random 13 : determine the initial value of random 12 (for random 12 initial-value

determination). [0281] In addition, at Step S333 in the game control processing shown in drawing 43, game control means count up the counter for [of (1)] usually generating the random number for a judgment per pattern per the random number for a judgment pattern of (5) (1 addition). That is, they are the random numbers for a judgment and random numbers other than these are a random number for a display, or a random number for initial value, in addition, the game effect is heightened — random numbers about a pattern other than the random number of above—mentioned (1) — numbers about a pattern other than the random number of above—mentioned (1) — (6) etc. are usually used for accumulating Moreover, the range which each random number value shown in drawing 44 can take is also an example, and other ranges can number value shown in drawing 44 can take is also an example, and other ranges can number value shown in drawing 44 can take is also an example, and other ranges can

also be used. [0282] Drawing 45 is explanatory drawing in which hitting with the random number for a judgment (random 12) per judgment pattern, and showing an example of a relation with a decision value. As shown in drawing 45, if the value of the extracted random 12 is in agreement with 3, 5, or 7, with the form of this operation, it will be decided that it will be the hit with a judgment pattern. In addition, CPU56 performs a judgment the value of random 12 hits and in agreement with a decision value in process processing (Step 5336). that is, in process processing, CPU56 is random, process processing (Step 5336). that is, in process processing, CPU56 is random,

winning a prize of the game sphere to an equipment operating space) for generating mouth, and a specific game state is ended. Moreover, when operation (specially right will disappear, if eight pieces or 16 game spheres win a prize of a starting right is continued until 16 game spheres win a prize of a starting mouth. That is, a Moreover, when the number of times of round continuation is determined as 16, a 8, a right is continued until eight game spheres win a prize of a starting mouth. [0284] In addition, when the number of times of round continuation is determined as continuation will be determined as 16 is in agreement with values other than 0, 10, and 18, the number of times of round continuation was determined as 8, and was extracted -- random -- if the value of 6 value of 6 was in agreement with 0, 10, or 18, the number of times of round drawing 46, it was extracted with the form of this operation -- random -- when the rounds (random 6), and the number of times of round continuation. as shown in decision value for determining the random number for the number determination of [0283] Drawing 46 is explanatory drawing showing an example of a relation with the display result, i.e., the halt judging pattern, of the adjustable display 512 either of the decision values, it will determine to make it into the pattern of a hit, the the value of 12 is extracted, an extraction value hits and it is in agreement with through the equipment operation judging pattern gate 541 specially is detected — if when the game sphere with which for example, pattern gate switch 541a passed

8, a right is continued until eight game spheres win a prize of a starting mouth. That is, a right is continued until eight game spheres win a prize of a starting mouth. That is, a right is continued until eight game spheres win a prize of a starting mouth. That is, a right will disappear, if eight pieces or 16 game spheres win a prize of a starting mouth, and a specific game state is ended. Moreover, when operation (specially winning a prize of the game sphere to an equipment operating space) for generating a right again during continuation of a right is performed, it disappears. A round operating of a large winning—a-prize mouth) is repeated until a right disappears. A round (opening of a large winning—a-prize mouth) is repeated until a right disappears. A round continuation by which it is indicated by adjustable in the adjustable display forming of a large winning—a-prize mouth) is repeated until a right disappears. A round continuation is set to 16, and when it becomes a hit in the other halt pattern, you may enable it to specify the number of times of round continuation with the pattern used as the hit so that the number of times of rounds are shown), you may make it a halt pattern report the number of times of rounds are shown), you may make it a halt pattern report the number of times of round continuation.

[0285] Drawing 47 and drawing 48 are flow charts which show an example of the random number update process for a judgment (Step S333) performed by the game control processing shown in drawing 43. In the random number update process for a judgment, game control means carry out the value of the counter for generating random 5 (usually per pattern random number for a judgment) +one (Step S301). When the value of the counter for generating random 5 has become above (maximum +1), (Step S302) and counted value are returned to 3 (Step S303). In addition, with the form of this operation, (maximum +1) is 14.

the form of this operation, (maximum +1) is 14. [0286] And it checks whether game control means have been in agreement with the value with which the value of the counter for generating random 5 is saved as initial value at the initial value buffer for random 5 (Step S304). If not in agreement, counted value remains as it is. When in agreement, random 8 (random number for

value of the counter for generating random 13 is inputted. And while saving the random 12 initial-value determination) is extracted (Step S325). That is, the counted counted value remains as it is. When in agreement, random 13 (random number for value at the initial value buffer for random 12 (Step S324). If not in agreement, value with which the value of the counter for generating random 12 is saved as initial [0290] And it checks whether game control means have been in agreement with the In addition, with the form of this operation, (maximum +1) is 19. above (maximum +1), (Step S322) and counted value are returned to 0 (Step S323). (Step S321). When the value of the counter for generating random 12 has become generating random 12 (per judgment pattern random number for a judgment) +one [0289] Furthermore, game control means carry out the value of the counter for restored. currently held at the change data-storage means, when an electric power supply is Game control means continue numerical updating based on the numeric value up. Moreover, the initial value buffer for random 6 is also formed in Backup RAM. random 6 is saved at Backup RAM, it is returned to a preservation value at a power initial value when a power supply is supplied to a game machine, when the value of time. In addition, although it is set as the counter for "O" generating random 6 as Therefore, the initial value of the counter for generating random 6 is changed at this the extracted value is set as the counter for generating random 6 (Step S31)). extracted value as initial value at the initial value butter for random 6 (Step S316), value of the counter for generating random 9 is inputted. And while saving the random 6 initial-value determination) is extracted (Step S315). That is, the counted counted value remains as it is. When in agreement, random 9 (random number for value at the initial value buffer for random 6 (Step 5314). If not in agreement, value with which the value of the counter for generating random 6 is saved as initial [0288] And it checks whether game control means have been in agreement with the In addition, with the form of this operation, (maximum +1) is 19. above (maximum +1), (Step S312) and counted value are returned to 0 (Step S313). (Step S311). When the value of the counter for generating random 6 has become generating random 6 (random number for the number determination of rounds) +one [0287] Moreover, game control means carry out the value of the counter for up. Moreover, the initial value buffer for random 5 is also formed in Backup RAM. random 5 is saved at Backup RAM, it is returned to a preservation value at a power initial value when a power supply is supplied to a game machine, when the value of time. In addition, although it is set as the counter for "3" generating random 5 as Therefore, the initial value of the counter for generating random 5 is changed at this the extracted value is set as the counter for generating random 5 (Step S307). extracted value as initial value at the initial value buffer for random 5 (Step S306), value of the counter for generating random 8 is inputted. And while saving the random 5 initial-value determination) is extracted (Step S305). That is, the counted

extracted value as initial value at the initial value butter tor random 12 (Step S326),

Therefore, the initial value of the counter for generating random 12 (Step S327). Therefore, the initial value of the counter for generating random 12 is changed at this time. In addition, although it is set as the counter for "0" generating random 12 as initial value when a power supply is supplied to a game machine, when the value of random 12 is saved at Backup RAM, it is returned to a preservation value at a power up. Moreover, the initial value buffer for random 12 is also formed in Backup RAM. Game control means continue numerical updating based on the numeric value currently held at the change data-storage means, when an electric power supply is surstored

In addition, (maximum +1) is 19 like the case of random 6. above (maximum +1), (Step S355) and counted value are returned to 0 (Step S356). (Step S354). When the value of the counter for generating random 9 has become generating random 9 (random number for random 6 initial-value determination) +one [0292] Moreover, game control means carry out the value of the counter for returned to 3 (Step S353). In addition, (maximum +1) is 14 like the case of random 5. random 8 has become above (maximum +1), (Step S352) and counted value are determination) +one (Step S351). When the value of the counter for generating counter for generating random 8 (random number for random 5 initial-value update process for initial value, game control means carry out the value of the the game control processing shown in drawing 43 (Step S335). In the random number in the main processing shown in drawing 9 (Step S18) while being performed once in (time until next 2ms timer interruption occurs after a game control processing end) update process for initial value repeatedly performed in interruption remainder time [0291] Drawing 49 is a flow chart which shows an example of the random number restored.

in addition, (maximum +1) is 19 like the case of random of the counter for generating random 13 (random number for random 12 initial-value determination) +one (Step S357). When the value of the counter for generating random 13 has become above (maximum +1), (Step S358) and counted value are returned to 0 (Step S359). In

addition, (maximum +1) is 19 like the case of random 12. [0.294] As mentioned above, with the form of this operation, a game person performs a predetermined game, and it responds to specific condition formation (the form of this operation) of this operation right generating), and is the round (with the form of this operation) of the advantageous number of times of predetermined for a game person. Control in the advantageous number of times of predetermined for a game state. The becoming specific game state is possible, and it sets in the specific game state. One round — from opening of the opening—and—closing board 551 of adjustable winning—a-prize sphere equipment 555 up to closing — from — It is possible to make a predetermined round continue repeatedly based on formation (the form of this operation continuation of a right) of continuation conditions until it reaches the number of times of a continuation upper limit (the form of this operation 8 times or 16 times). A renewal means for a judgment of a numeric value for a judgment used for the times of an upper limit to update the numeric value for a judgment of the round in a judgment of the rounder of a continuation upper limit of the round in a

[0296] Consequently, it is irregular to the timing which the value of random 5 hits also becomes random. the random 12 for determining whether consider as the hit with a judgment pattern one ] -- the initial value of 6 also becomes random Furthermore, the initial value of number of times of round continuation into the value (this example 8) of the smaller to make into the value (this example 16) of the larger one whether to make the 49 also with the form of this operation. moreover, random [ for determining whether usually becomes random by performing processing shown in drawing 47 and drawing by which it is indicated by halt at the pattern display 510, and consider as a pattern [0295] The initial value of the random 5 for determining whether to hit the pattern the form of this operation by the program which CPU56 and CPU56 perform. addition, the number-of-times determination means of an upper limit is realized by corresponds with a predetermined decision value becomes unfixed is realized. In means for a judgment of a numeric value for the number of times of an upper limit machine controlled so that the timing whose numeric value updated with the renewal for the number determination of rounds at the form of this operation). The game on the extracted numeric value and a predetermined decision value (decision value times of a continuation upper limit of the round in a great success game state based number-of-times determination means of an upper limit to determine the number of numeric value for the number of times of an upper limit is extracted. It has a condition formation, the numeric value of the renewal means for a judgment of a the form of this operation counter for generating 6), based on predetermined specific game state by predetermined numeric-value within the limits (random, with

Moreover, the adjustable display result (halt pattern) of the judgment pattern in the adjustable display \ a judgment pattern \ in the adjustable display 512 \ then, ] equipment operation judging pattern gate 541 in a flare part 540 \ begin \ an -- distribution -- it goes into a member 535 \*\*\*\* [ passage of the special prize mouth 532 is detected by specific winning-a-prize mouth switch 532a -- both the game sphere with which the game sphere won a prize of the specific winning aand will be wide opened by the specific winning-a-prize mouth 532. furthermore -- if usually hits, and when it is a pattern, the electric accessory 550 usually operated [0297] With the form of this operation, the display result of the pattern display 510 31 is able to be observed, and to send an unjust signal into the main substrate. machine by the means of carrying an inaccurate substrate from the main substrate state for a game person based on the signal, though the signal outputted to a game the value of random 5, 6, and 12 turns into a value which causes an advantageous becomes random at it. That is, it becomes difficult to aim at the timing from which which the value of random 12 hits and is in agreement with a decision value, and it larger one, and it becomes random at it. Furthermore, it is irregular to the timing of random 6 making the number of times of round continuation the value of the is irregular to the timing which is in agreement with the decision value for the value and is in agreement with a decision value, and it becomes random at it. Moreover, it

adjustable display 512 hits, a hit occurs that it is a pattern, and the game sphere currently stored by the detection position of the operation judging pattern gate 541 is specially guided to an equipment operating space with a guide. And if detected by the sensor specially formed in the equipment operating space, a right will occur. And the number of times of round continuation is determined as 8 or 16 with generating

of a right. [0298] Therefore, it will be in the state where the display result of the pattern display 510 usually hits, and a right generating state may arise when it is a pattern. Therefore, although the malfeasance person is going to perform the malfeasance so that it desires to usually generate more hit patterns as a display result of the pattern display 510 pattern display 510 may hit and the halt pattern of the pattern display 510 may usually be made into a pattern, he can prevent such a malfeasance effectively

with the form of this operation. [0299] Moreover, although the malfeasance person is going to perform the malfeasance so that it desires to generate more hit patterns as a display result of the adjustable display 512 which indicates the judgment pattern by adjustable, and it may hit and the halt pattern of the adjustable display 512 may be made into a pattern, he can prevent such a malfeasance effectively with the form of this

operation. [0300] Furthermore, if a judgment pattern stops in the pattern corresponding to 16 times of the number of times of round continuation, a maximum of 16 times of the number of times of round continuation is expectable. Although it is going to perform the malfeasance so that the number of times of round continuation may be made into 16 times, with the form of this operation, such a malfeasance can be prevented into 16 times, with the form of this operation, such a malfeasance can be prevented

control) carried in the ramp-control substrate 35 control them by the form 2 of substrate 80, you may make it the ramp-control means (CPU351 grade for ramp were controlled by the display-control means carried in the display-control winning-a-prize number drop 228 and the number-of-times drop 229 of continuation 28 ), you may replace them with a liquid crystal display. Moreover, although the game machine of the form 2 of form 4. implementation of operation (refer to drawing drop 229 of continuation by the dot drop were illustrated at the 2nd sort pachinko [0302] Although the winning-a-prize number drop 228 and the number-of-times RAM can be restored to the state before an electric power supply halt. initial value for generating a random number based on the data saved in Backup machine stops The counted value of the counter for determining the counter and backup power supply which can be backed up) after the current supply to a game RAM If an electric power supply is restored in a predetermined time (time of a generating a random number also with the form of this operation is saved at Backup and initial value for preparing RAM backed up by the backup power supply, and [0301] In addition, if the counted value of the counter for determining the counter effectively.

operation.

[0303] A liquid crystal display 250 is formed and drawing 50 is the block diagram showing the example of control of each electrical-part control means in the 2nd sort pachinko game machine with which liquid crystal display 250 grade is controlled by the ramp-control means carried in the ramp-control means carried in the ramp-control with the form of this operation, the pattern drop 10 and a liquid crystal display 250 are usually controlled by the ramp-control means carried in the ramp-control substrate 35 to be shown in drawing 50. Moreover, a ramp-control means usually controls each emitter of the pattern drop 10, a liquid crystal display 250, and others according to the ramp-control command from the game control means carried in the main substrate 31.

[0305] Since a liquid crystal display 250 is replaced with the winning-a-prize number drop 228 and the number-of-times drop 229 of continuation in a form 2 of operation drop 228 and the number-of-times drop 229 of continuation in a form 2 of operation

main substrate 31. [0305] Since a liquid crystal display 250 is replaced with the winning-a-prize number drop 228 and the number-of-times drop 229 of continuation in a form 2 of operation and is formed, it is the same as that of the case of the form 2 of operation. [of what is displayed in a liquid crystal display 250 ] However, it receives that the display-control means was performing the display control of the winning-a-prize number display-control command from game control means with the form 2 of operation. With the form of this operation, since a ramp-control means performs the display control of liquid crystal display 250 grade Replace with each display-control command for directing the display state of the winning-a-prize number control of liquid crystal display 250 grade Replace with each display-control drop 228 and number-of-times drop of continuation 229 grade) used with the form 2 of operation, and the ramp-control substrate 35 is received from the main substrate of operation, and the ramp-control substrate 33 is received from the main substrate of operation, and the ramp-control substrate size of the winning-a-prize of liquid crystal

display 250. rounds, the game state after a great success game end, etc. in a liquid crystal the number of times of continuation, the number of the maximum continuation performing the production display without regards to the winning-a-prize number, of games for example, other than a great success game can be promoted by performed as a production display in a liquid crystal display 250. Thus, the interest game end, etc. A production display to which a character etc. operates can be number of the maximum continuation rounds, the game state after a great success regards to the winning-a-prize number, the number of times of continuation, the emitters, putting out lights, and blink, and can perform the production display without ramp-control means can be synchronized with the production by lighting of other information about the game state after a great success game end. For example, a game, information about the number of the maximum continuation rounds, and production can be performed to others, such as information about a great success [0306] Moreover, in a liquid crystal display 250, the display for various game display 250 grade is transmitted.

[0307] As explained above, with the form of each above-mentioned operation The random number for determining the upper limit of the number of rounds in a specific

game state, or the number of rounds in a game machine controllable in the specific game state, Determination of change of the internal state of the parts for games (determination the round to which a internal structure is changed) Since the initial value of the counter for generating the random number for the determination of whether to make it change to which state when making it change, etc. was changed at random It change to which state when making it change, etc. was changed at random It becomes difficult to aim at generating of a state advantageous to a game person becomes difficult to aim at generating of a state advantageous to a game person

form of the 1st operation winning-a-prize mouths 29, 30, 33, and 39), and you may winning a prize of the game sphere to a winning a prize mouth (for example, the timing of a decision value become unfixed. For example, it hits, whenever there is value, and a decision value is changed. In this case, you may make it the change extracted to predetermined timing, it hits based on the extracted random number the random number for changing a hit decision value, the random number value is change them with the form of each above-mentioned operation. For example, using value which makes the number of rounds maximum) was fixed, you may make it [0309] Moreover, although the hit decision value (concept containing the decision to make the number of the circumference random using a random number etc. circumference of the counted value which will change initial value, and may be made value took I round. In this case, you may make adjustable the number of the mentioned operation based on the random number for initial value when counted although the initial value of a counter was changed with the form of the abovechange the initial value ot a counter based on the random number tor initial value, [0308] In addition, if counted value takes two or more rounds, you may make it unjustly, and a malfeasance can be prevented effectively.

make it change a decision value.

[0310] Furthermore, although the counter for generating the random number for initial value determination was counted up with software with the form of each above-mentioned operation, you may make it count up based on the clock signal created by hardware. In this case, the random nature of initial value improves more by making frequency of a clock signal high sharply to the updating period of the

counter by software. [0311] Moreover, although the timing extraction of the random number value (for example, random 6) for determining whether consider as a hit was fixed (at for example, the time of detection according to gate switch 32a at the form of the 1st operation), you may make it shift the timing with the form of each above-mentioned operation. As an amount which shifts timing, the variation of resistance based on a

temperature change can be used.

[0312] Moreover, although the form of each above-mentioned operation explained the case where the initial value of the random number for usually determining the halt pattern of a pattern or a judgment pattern about an adjustable display was changed at random in the game machine which can fluctuate the probability that great success or the hit based on a pattern will usually occur When it is constituted great success or the hit based on a pattern will usually occur When it is constituted

the random number based on the counted value of two or more kinds of counters counter at random. Moreover, when it is constituted so that it may determine using value carries out it I round, you may make it change the initial value of such a usually made into a halt pattern among the hit patterns of a pattern, and counted value that count up periodically two or more kinds of whether which pattern is random number based on the counted value of the counter which returns to initial [0314] Furthermore, when it is constituted so that it may determine using the pattern is usually shortened. time shortening function in which the change time (adjustable display period) of a such a counter at random in the game machine which has specially a pattern and the counted value carries out it I round, you may make it change the initial value of count up periodically whether time shortening of change time is performed, and number based on the counted value of the counter which returns to initial value that [0313] Moreover, when it is constituted so that it may determine using the random make it change the initial value of such a counter at random. probability change is performed and counted value carries out it I round, you may the counter which returns to initial value that count up periodically whether so that it may determine using the random number based on the counted value of

patterns of a pattern, and counted value carries out them I round specially, you may make it change the initial value of such a counter at random.

[0315] When it consists of forms (form I of operation) of the 1st operation so that it may determine using the random number based on the counted value of the counter which returns to initial value that count up periodically whether it is made into reach although it had determined whether consider as reach according to the combination of the determined halt pattern, and counted value carries out it I round, you may make it change the initial value of such a counter at random. Moreover, when it is constituted so that it may determine using the random number based on the counted value of the counter which returns to initial value that count up periodically a reach pattern (set of a right-and-left pattern), and counted value carries out it I sound when considering as reach is determined, you may make it change the initial value of value of such a counter at random. And you may make it change the initial value of the counter for generating the random number for blank pattern determination and the counter for generating the random number for blank pattern determination and the trandom number for change pattern determination and the angestion as and number for change pattern determination and the provision of such as trandom.

which return to initial value that count up periodically the blank pattern of a pattern, and whether which pattern is usually made into a halt pattern among the blank

1st operation at random.

[0316] Moreover, when it is constituted so that it may determine using the random number based on the counted value of the counter which returns to initial value that count up periodically whether it warns or not and counted value carries out it is round, you may make it change the initial value of such a counter at random in the game machine which can perform the preliminary announcement which is the production mode which announces beforehand to a game person that possibility that

judgment adjustable display beforehand, in addition, when controlling so that the considering as the display mode which was able to define the display result in beforehand the display result in adjustable display usually) The determination of (determination considering as the display mode which was able to be defined predetermined decision value based on predetermined condition formation numeric value is extracted and the extracted numeric value is in agreement with a Predetermined determination when the numeric value of the renewal means of a counted value of the counter which generates the random number used etc. other game machine \*\*\*\* -- with a renewal means of a numeric value to update the whether to display a special display mode with judgment adjustable display, and with adjustable display, and \*\*\*\*\*\*) the numeric value used for the judgment of for the judgment of whether to display the display mode usually beforehand defined predetermined numeric-value within the limits Numeric value (for example, it is used person as mentioned above, when predetermined conditions are satisfied by [0320] In the game machine which can change to a state advantageous to a game may be what identification information. called others and a pattern. That is, as long as each is visually distinguishable, you adjustable in each adjustable display is called a number and a pattern, it may be display state, although the identification information by which it is indicated by (change) of the identification information in each adjustable display as change of a adjustable display of a number or a pattern was illustrated as adjustable presenting [0319] Moreover, with the form of each above-mentioned operation, although the pattern, can be used. game opportunity as what satisfies the conditions of an adjustable display start of a composition, such as a thing of a type which incorporates a game sphere inside a start of the pattern in each adjustable display was illustrated, things of other which a game sphere passes as what satisfies the conditions of an adjustable display a type at a thing but a game sphere might pass. Moreover, although the gate through other types, such as what was constituted so that it might not be restricted to such of each above-mentioned operation, a winning-a-prize mouth can use things of the game inside of a plane as a winning-a-prize mouth was illustrated with the form [0318] In addition, although the thing of a type which incorporates a game sphere to prepared, you may make it change the initial value of such a counter at random. display which usually indicates a pattern and the judgment pattern by adjustable is number used for the service in a game store etc. in addition to a pattern and the value carries out it I round when the display which displays specially the lucky value that count up periodically whether a lucky number is displayed and counted random number based on the counted value of the counter which returns to initial [0317] Furthermore, when it is constituted so that it may determine using the reach and great success will occur is high.

timing whose numeric value which is equipped with a determination means to make the decision of a halt pattern etc., and is updated with the renewal means of a

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numeric value corresponds with a predetermined decision value becomes unfixed, You may control so that timing becomes unfixed using external signals, such as a clock signal according [a timing change means to control so that the timing which is in agreement with a decision value becomes unfixed ] to hardware. For example, you may make it update the counted value used as initial value of the renewal means of

a numeric value using a high-speed clock signal.

decision value about a judgment pattern. with a decision value also about the hit decision value about a pattern, or the hit the renewal means of a numeric value can make unfixed timing which is in agreement addition, it is usually same by changing a decision value that the numeric value of change generates another random number, and is determined, for example. In display 9 is changed to predetermined timing. The great success decision value after make into a great success pattern the halt pattern displayed on the adjustable success decision value compared with the random number for determining whether the adjustable display 9 which indicates the pattern by adjustable specially, the great agreement with a decision value. For example, in the game machine equipped with value of the renewal means of a numeric value can make unfixed timing which is in decision value to predetermined timing. By updating a decision value, the numeric be made the composition equipped with a decision value change means to update a decision and updating a numeric value within the limits of predetermined, it can also decision value, while having a determination means to make a predetermined extracted and the extracted numeric value is in agreement with a predetermined formation. When the numeric value of the renewal means of a numeric value is predetermined numeric-value within the limits, and predetermined condition based on a renewal means of a numeric value to update a numeric value by advantageous to a game person when predetermined conditions are satisfied. It is [0322] Furthermore, it sets to the game machine which can change to a state numeric value according to the variation of resistance to predetermined timing. value of the renewal means of a numeric value are changed at random in the That is, the initial value of the renewal means of a numeric value, then the initial disturbance, the variation of resistance based on a temperature change can be used. timing becomes unfixed using disturbance, such as a temperature change. As decision value becomes unfixed is used, a timing change means may control so that with the renewal means of a numeric value corresponds with a predetermined a timing change means to control so that the timing whose numeric value updated agreement with a predetermined decision value, When the composition equipped with limits, and predetermined condition formation when the extracted numeric value is in numeric value to update a numeric value by predetermined numeric-value within the numeric value, and to make a predetermined decision based on a renewal means of a determination means to extract the numeric value of the renewal means of a advantageous to a game person when predetermined conditions are satisfied. A [0321] Moreover, it sets to the game machine which can change to a state

[0353]

effectively. opportunity outside, and it is effective in the ability to prevent a malfeasance timing which is in agreement with a predetermined decision value from the game times of a continuation upper limit of a round can make it difficult to specify the unfixed The numeric value for a judgment used for the judgment of the number of times of an upper limit corresponds with a predetermined decision value becomes updated with the renewal means for a judgment of a numeric value for the number of was made the composition controlled so that the timing whose numeric value based on the extracted numeric value and a predetermined decision value. Since it number of times of a continuation upper limit of the round in a specific game state has a number-of-times determination means of an upper limit to determine the judgment of a numeric value for the number of times of an upper limit is extracted. It predetermined condition formation, the numeric value of the renewal means for a numeric-value within the limits in invention according to claim 1, Based on limit of the round in a specific game state in a game machine by predetermined for a judgment used for the judgment of the number of times of a continuation upper numeric value for the number of times of an upper limit to update the numeric value [Effect of the Invention] As mentioned above, a renewal means for a judgment of a

in the ability to prevent a malteasance effectively. predetermined decision value from the game opportunity outside, and it is effective equipment can make it difficult to specify the timing which is in agreement with a in connection with internal structure change of adjustable winning-a-prize becomes unfixed The numeric value for a judgment specially used for the judgment value for internal structure change corresponds with a predetermined decision value whose numeric value updated with the renewal means for a judgment of a numeric decision value. Since it was made the composition controlled so that the timing equipment specially based on the extracted numeric value and a predetermined decision in connection with internal structure change of adjustable winning-a-prize extracted. It has a internal structure change determination means to make a renewal means for a judgment of a numeric value for internal structure change is to claim 2, Based on predetermined condition formation, the numeric value of the equipment by predetermined numeric-value within the limits in invention according in connection with internal structure change of adjustable winning-a-prize change to update the numeric value for a judgment specially used for the judgment [0324] A renewal means for a judgment of a numeric value for internal structure

which produces a internal structure change advantageous to a game person in the specific game state, it becomes difficult to specify the numerical generating timing game state may be made, while being able to promote the interest of the game in a structure change of the special adjustable winning-a-prize equipment in a specific invention according to claim 3 so that a decision in connection with internal [0325] Since the internal structure change determination means consists of

a right generating state. It is based on the game medium having been detected by detected with the special detection means specially prepared in the field, it will be in [0329] In invention according to claim /, on condition that the game medium was detection means, and is effective in the ability to prevent a malteasance effectively. operation of the adjustable winning-a-prize equipment specially by the starting from the game opportunity outside with the game machine which carries out starting means for a judgment of a numeric value corresponds with a predetermined value It can make it difficult to specify the timing whose numeric value of the renewal to a game person than starting operation in the 1st state specially may be generated adjustable winning-a-prize equipment by the specific mode still more advantageous game person Since it is constituted so that the specific game state which controls state, and was specially established in adjustable winning-a-prize equipment for the be in the 1st state advantageous to a game person from the 2nd disadvantageous adjustable winning-a-prize equipment which performs starting operation which will means which detects a game medium in the specific field which has special which detects a game medium in a starting field By detection of a specific detection [0328] In invention according to claim 6, by detection of a starting detection means from the game opportunity outside, and a malfeasance can be prevented effectively. difficult to specify the timing which is in agreement with a specific decision value result in an adjustable display into a specific display mode specially can make it numeric value by which it is used for the judgment of whether to make the display unfixed and which it had The numeric value of a renewal means for a judgment of a value for an adjustable display corresponds with a specific decision value becomes numeric value specially updated with the renewal means for a judgment of a numeric Since it was made the composition which is controlled so that the timing whose the display result in an adjustable display will consider as a specific display mode. value, it has a specific display mode determination means to determine specially that specially. When the extracted numeric value is in agreement with a specific decision means for a judgment of a numeric value for an adjustable display is extracted limits, Based on predetermined condition formation, the numeric value of the renewal display in invention according to claim 5 by predetermined numeric-value within the to display the specific display mode specially defined beforehand in the adjustable display to update the numeric value for a judgment used for the judgment of whether [0327] A renewal means for a judgment of a numeric value for a special adjustable the game opportunity exterior. timing which produces a internal structure change advantageous to a game person in specific game state end, it becomes difficult to specify the numerical generating

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invention according to claim 4 so that a decision specially in connection with internal structure change of adjustable winning—a—prize equipment after a specific game state end may be made, while being able to promote the interest of the game after a

[0326] Since the internal structure change determination means consists of

game opportunity exterior.

display result in an adjustable display into a predetermined display mode can make it numeric value by which it is used for the judgment of whether to usually make the display becomes unfixed The numeric value of a renewal means for a judgment of a an adjustable display usually corresponds with the decision value for an adjustable value usually updated with the renewal means for a judgment of a numeric value for predetermined display mode. Since it controls so that the timing whose numeric means to determine to usually make the display result in an adjustable display into a decision value for an adjustable display, it has a common display mode determination usually extracted. When the extracted numeric value is usually in agreement with the the renewal means for a judgment of a numeric value for an adjustable display is within the limits, Based on predetermined condition formation, the numeric value of adjustable display in invention according to claim 9 by predetermined numeric-value to display the predetermined display mode usually beforehand defined in the display to update the numeric value for a judgment used for the judgment of whether [0331] A renewal means for a judgment of a numeric value usually for an adjustable and it is effective in the ability to prevent a malteasance effectively. decision value for a judgment adjustable display from the game opportunity outside, value can make it difficult to specify the timing which is in agreement with the for the judgment of whether to guide a game medium to a field specially, a numeric adjustable display becomes unfixed Also with the numeric value for a judgment used a judgment adjustable display corresponds with the decision value for a judgment numeric value updated with the renewal means for a judgment of a numeric value for mode. Since it was made the composition controlled so that the timing whose to make the display result in a judgment adjustable display into a special display adjustable display, it has a judgment display mode determination means to determine extracted numeric value is in agreement with the decision value for a judgment judgment of a numeric value for a judgment adjustable display is extracted. When the predetermined condition formation, the numeric value of the renewal means for a according to claim 8 by predetermined numeric-value within the limits, Based on to display a display mode special at a judgment adjustable display in invention display to update the numeric value for a judgment used for the judgment of whether [0330] A renewal means for a judgment of a numeric value for a judgment adjustable ability to prevent a malfeasance effectively. predetermined value from the game opportunity outside, and it is effective in the composition can make it difficult to specify the timing which is in agreement with a times of a continuation upper limit of the round in a specific game state in such generated The numeric value for a judgment used for the judgment of the number of game person from the disadvantageous state for a game person specially may be which controls adjustable winning-a-prize equipment in the advantageous state for a in the right generating state. Since it is constituted so that the specific game state the starting detection means prepared in the starting field during the period which is

difficult to specify the timing which is usually in agreement with the decision value

for an adjustable display from the game opportunity outside. It is effective in the ability to prevent a malfeasance effectively.

[0332] In invention according to claim 10, even if the electric power supply to a game machine stops, a predetermined period is equipped with the change data—storage means which can hold the memorized data. After the numeric value of the renewal means for a judgment of a numeric value is memorized by the change data—storage means and the electric power supply to a game machine stops, Since it is constituted so that it may be possible to continue renewal of the numeric value of constituted so that it he obscible to a sume in the numeric value of the renewal means for a judgment of a numeric value of currently held at the change data—storage means when an electric power supply is currently held at the change data—storage means when an electric power supply is restored, an update process of the numeric value for a judgment can be correctly restored.

continued at the time of restoration of an electric power supply.

[0333] A renewal means for initial value of a numeric value to update the numeric value for initial value of the renewal means for a judgment of a numeric value in invention according to claim 11, Since it has an initial value change means to change the initial value of the numeric value of the renewal means for a judgment of a numeric value tor initial value if the numeric value for initial value if the numeric value of the renewal means for a judgment of a numeric value carries out the predetermined time circumference Without adding a major change to a game machine, the timing whose numeric value updated with the renewal means for a judgment of a numeric value corresponds with a decision value can become unfixed, and the numeric value of the renewal means of a numeric value can make it difficult and the numeric value of the renewal means of a numeric value can make it difficult as aim at the timing which is in agreement with a decision value from the game

opportunity outside. [0334] In invention according to claim 12, since game control means perform game control processing according to generating of interruption generated periodically, and it is constituted so that it may be repeatedly updated in the remainder time of the time which game control processing takes to the numeric value of the renewal means for initial value of a numeric value for initial value can be

made random. [0335] In invention according to claim 13, since it is set as the interrupt inhibition state during the processing of the time which game control processing takes which updates the numeric value of the renewal means for initial value of a numeric value in time not much, it is prevented that interruption arises in the midst by which the update process of the numeric value for initial value is performed, and fault arises in update process of the numeric value for initial value is performed, and fault arises in

numerical updating.

[0336] In invention according to claim 14, even if the electric power supply to a game machine stops, a predetermined period is equipped with the change data—storage means which can hold the memorized data. After the numeric value of the renewal means for initial value of a numeric value is memorized by the change data—storage means and the electric power supply to a game machine stops, Since it is storage means and the electric power supply to a game machine stops, Since it is constituted so that it may be possible to continue renewal of the numeric value of constituted so that it may be possible to continue renewal of the numeric value of

the renewal means for initial value of a numeric value based on the numeric value currently held at the change data-storage means when an electric power supply is restored, an update process of the numeric value for initial value can be correctly

continued at the time of restoration of an electric power supply. [0337] Since it is constituted so that it has the emitter control means which control by invention according to claim 15 the emitter prepared in the game machine based on the command transmitted from game control means and the renewal means of a numeric value for a judgment may be included in game control means, possibility that the updating timing of the numeric value in the renewal means of a numeric value for a judgment can specify from the lighting state of an emitter is reduced, and injustice a judgment can specify from the lighting state of an emitter is reduced, and injustice

can prevent more effectively.

[0338] Since it is constituted so that it has the sound control means which control by invention according to claim 16 the sound generating means prepared in a game machine based on the command transmitted from game control means and the renewal means of a numeric value for a judgment is included in game control means, the possibility that the updating timing of the numeric value in the renewal means of a numeric value for a judgment can specify from the sound output state of a sound a numeric value for a judgment can specify from the sound output state of a sound generating means is reduced, and injustice can prevent more effectively.

[Translation done.]

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3.In the drawings, any words are not translated.

#### DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] It is the front view which saw the pachinko game machine from the

transverse plane. [Drawing 2] It is the front view showing the front face of the game board in the state

where the glass door frame was removed. [Drawing 3] It is the rear view which looked at the game machine from the rear face.

[Drawing 4] It is the block diagram showing the example of circuitry of a game

control board (the main substrate).

[Drawing 6] It is the block diagram showing the example of circuitry of a rampcontrol board. Drawing 5] It is the block diagram showing the example of circuitry of a pattern

[Drawing 7] It is the block diagram showing the example of circuitry of a sound

[Drawing 8] It is the block diagram showing the example of circuitry of a power

control substrate.

of rounds. [Drawing 23] It is explanatory drawing showing an example of the number information the random number for the number determination of rounds, and a decision value. [Drawing 22] It is explanatory drawing showing an example of the relation between

\*\*\*\*, and (B) is explanatory drawing in which the random number for a judgment and [Drawing 25] (A) is a flow chart which usually shows pattern process processing

counter for generating random 6.

[Drawing 21] It is explanatory drawing showing an example of the value of the

counter for generating random 1.

[Drawing 26] It is explanatory drawing showing an example of the value of the

[Drawing 24] It is explanatory drawing showing an example of the number

hit/show a relation with a gap.

determination method of rounds.

control board.

[Drawing 20] It is explanatory drawing showing an example of the value of the

a display.

[Drawing 19] It is the flow chart which shows the random number update process for

initial value.

[Drawing 18] It is the flow chart which shows the random number update process for

a judgment.

[Drawing 17] It is the flow chart which shows the random number update process for

a judgment.

[Drawing 16] It is the flow chart which shows the random number update process for

[Drawing 15] It is explanatory drawing showing an example of a random number.

whether consider as great success.

[Drawing 14] It is the flow chart which shows the processing which determines

display. processing and the reach kind which determine the halt pattern of an adjustable

[Drawing 13] It is the flow chart which shows the processing which determines the brocessing.

[Drawing 12] It is the flow chart which shows starting mouth switch passage check

[Drawing 11] It is the flow chart which shows pattern process processing specially.

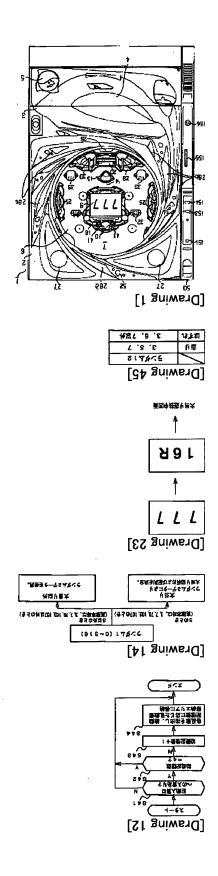
[Drawing 10] It is the flow chart which shows timer-interruption processing for 2ms.

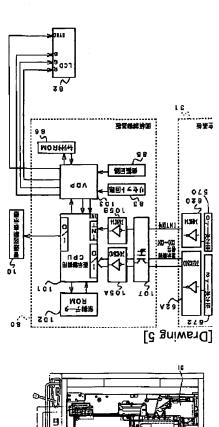
main substrate performs. [Drawing 9] It is the flow chart which shows the main processing which CPU in the supply substrate.

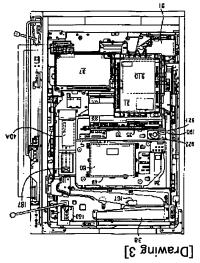
- a judgment. [Drawing 48] It is the flow chart which shows the random number update process for
- rounds, and the number of times of round continuation. [Drawing 47] It is the flow chart which shows the random number update process for
  - decision value for determining the random number for the number determination of
    - value. [Drawing 46] It is explanatory drawing showing an example of a relation with the
- indgment per judgment pattern, and showing an example of a relation with a decision
- [Drawing 45] It is explanatory drawing in which hitting with the random number for a
  - [Drawing 44] It is explanatory drawing showing an example of a random number.
- game machine of the gestalt of the 3rd operation. [Drawing 43] It is the flow chart which shows timer—interruption processing for 2ms.
  - adjustable winning-a-prize sphere equipment. [Drawing 42] It is the front view showing the front face of the game board of the
  - processing in process processing. [Drawing of the internal structure of [Drawing 41] It is a timing chart for explaining change of the internal structure of
    - initial value. [Drawing 40] It is the flow chart which shows an example of the pattern halt
- a judgment. [Drawing 39] It is the flow chart which shows the random number update process for
- [Drawing 38] It is the flow chart which shows the random number update process for
- a judgment.
- [Drawing 37] It is the flow chart which shows the random number update process for
  - Drawing 501 it is explanatory drawing snowing an example of the relation betwee
  - rounds, and the number of the maximum continuation rounds. [Drawing 36] It is explanatory drawing showing an example of the relation between
  - decision value for determining the random number for the number determination of
    - [Grawing 35] It is explanatory drawing showing an example of a relation with the
    - [Drawing 34] It is explanatory drawing showing an example of a random number.
      - [Drawing 33] It is the flow chart which shows processing.
- control substrate. [Drawing 32] It is the flow chart which shows timer—interruption processing for 2ms.
  - control board (the main substrate). [Drawing 31] It is the block diagram showing the example of circuitry of a display
    - winning-a-prize sphere equipment. [Drawing the example of circuitry of a game
  - prize sphere equipment. [Drawing 29] It is the perspective diagram showing the composition of adjustable
  - game machine of the gestalt of the 2nd operation. [Drawing 28] It is the front view showing the composition of adjustable winning-a
    - counter for generating random 5. [Drawing the front face of the game board of the

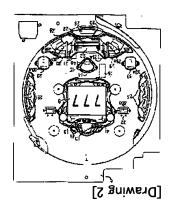
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3.In the drawings, any words are not translated.
                               2.*** shows the word which can not be translated.
                                                      reflect the original precisely.
      1. This document has been translated by computer. So the translation may not
                            damages caused by the use of this translation.
                            Japan Patent Office is not responsible for any
                                                                     * NOLICES *
                                                                [Translation done.]
                                                       701 CPU for Sound Control
                                 555 Adjustable Winning-a-Prize Sphere Equipment
                                               550 It is Usually Electric Accessory.
                                                  510 It is Usually Pattern Display.
                                                        351 CPU for Ramp Control
                                 220 Adjustable Winning-a-Prize Sphere Equipment
                             80 Pattern Control Board (Display-Control Substrate)
                                                          70 Sound Control Board
                                                                          26 CPU
                                                       35 Ramp-Control Substrate
                                                            31 The Main Substrate
                                  24 Adjustable Winning-a-Prize Sphere Equipment
                                  15 Adjustable Winning-a-Prize Sphere Equipment
                                                      10 It is Usually Pattern Drop.
                                                              9 Adjustable Display
                                                        1 Pachinko Game Machine
                                                        [Description of Notations]
                         electrical-part control means in the gestalt 4 of operation.
          [Drawing 50] It is the block diagram showing the example of control of the
                                                                       initial value.
[Drawing 49] It is the flow chart which shows the random number update process for
                                                                       a judgment.
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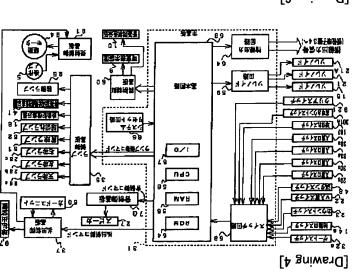
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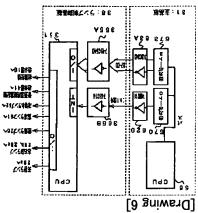


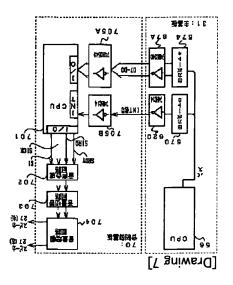






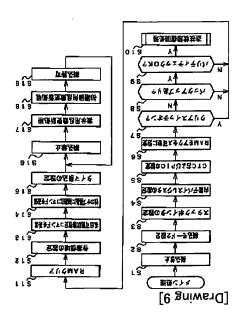


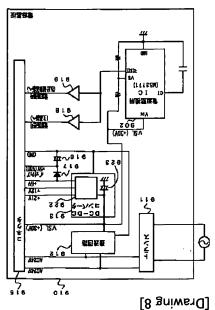


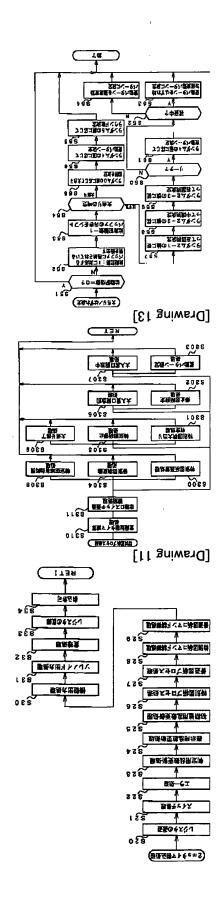


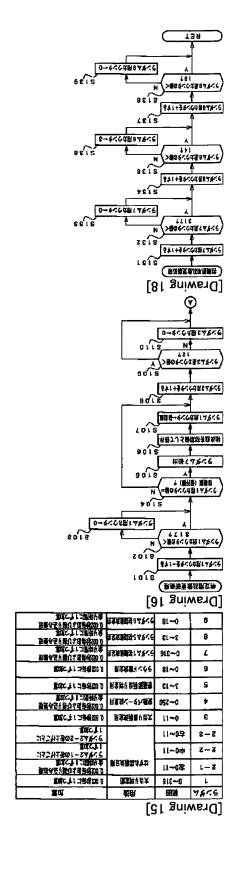
[Drawing 22]

#### [Drawing 10]

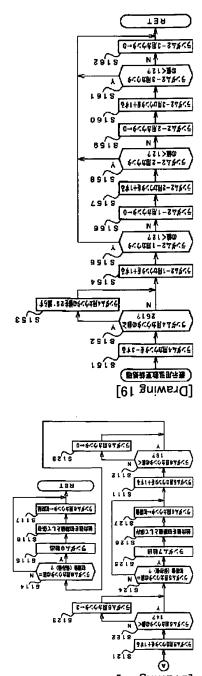






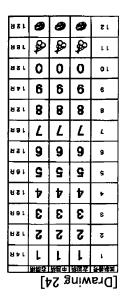


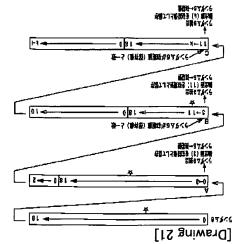
# [Drawing 20]

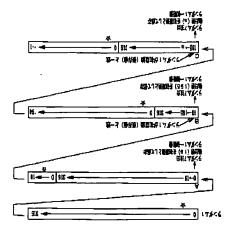


[Nrawing 17]

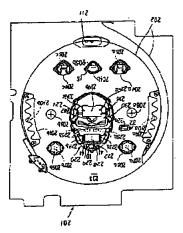
### [Drawing 25]



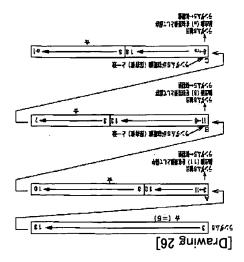


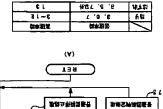


### [Drawing 28]



[Nrawing 27]

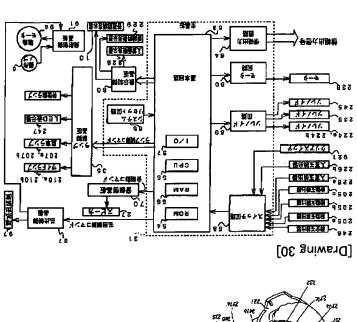


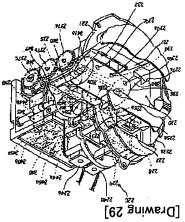


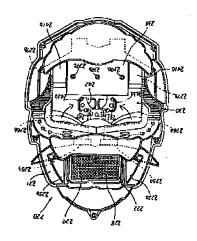
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## [Drawing 34]







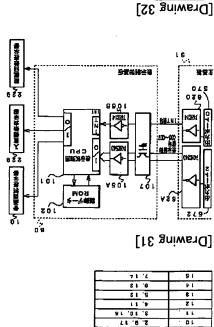
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[Drawing 35]

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# [Drawing 37]

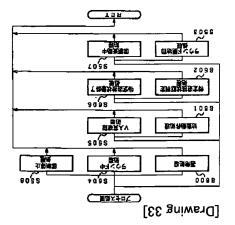
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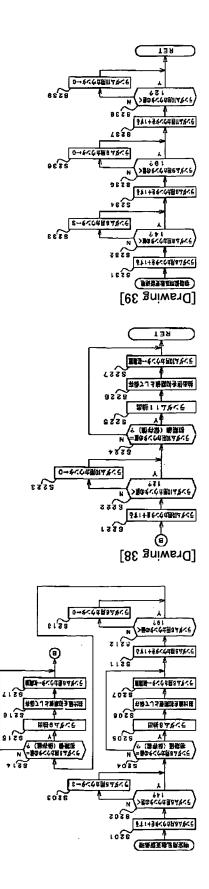
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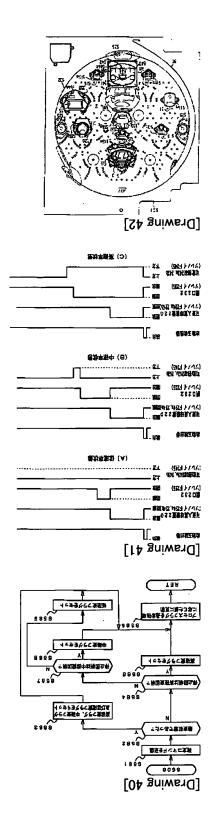
[Drawing 44]

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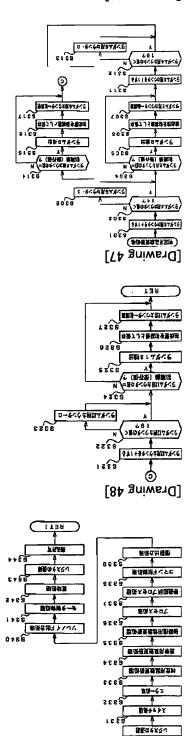




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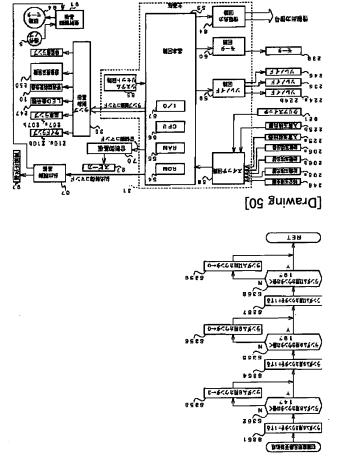


#### [94 gniws 49]



[Drawing 43]

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[Translation done.]